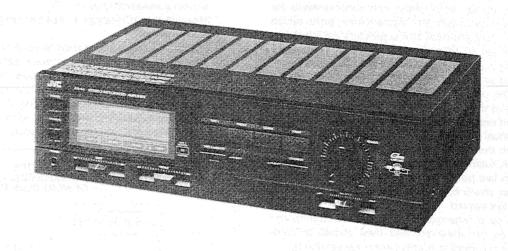


SERVICE MANUAL

STEREO INTEGRATED AMPLIFIER

MODEL NO. AX-44BK



Contents

| | Pag |
|-------------------------------------|-------|
| Safety Precautions | 1-2 |
| Instruction Book | |
| Removal and Reassembly Procedures | 1-4 |
| Removal of the Main P.C. Board | 1 -4 |
| ■ Removal of the Front Panel | 1-4 |
| ■ Use of New-type Connector | 1 - 5 |
| Adjustment Procedures | 1 -5 |
| Guidance to Repairing | 1-6 |
| ■ IC103 (M50761-304P) Pin Functions | 1-6 |
| ■ Data Transmission Method | 1-6 |
| | |

| | Page |
|--------------------------------|-----------|
| ■ Signal Code List | 1-7 |
| ■ Troubleshooting | 1-8 |
| Schematic Diagram | |
| ■ AX-44BK Amplifier Section | |
| ■ AX-44BK Power Supply Section | |
| Connection Diagram | Insertion |
| ■ For U.S.A. and Canada | |
| ■ For U.S. Militaly Merket | |
| Parts List Separate-Volume | Insertion |

Safety Precautions

- The design of this product contains special hardware, many circuits and components specially for safety purposes.
 - For continued protection, no changes should be made to the original design unless authorized in writing by the manufacturer. Replacement parts must be identical to those used in the original circuits. Service should be performed by qualified personnel only.
- Alterations of the design or circuitry of the product should not be made. Any design alterations or additions will void the manufacturer's warranty and will further relieve the manufacturer of responsibility for personal injury or property damage resulting therefrom.
- 3. Many electrical and mechanical parts in the product have special safety-related characteristics. These characteristics are often not evident from visual inspection nor can the protection afforded by them necessarily be obtained by using replacement components rated for higher voltage, wattage, etc. Replacement parts which have these special safety characteristics are identified in the parts list of Service manual. Electrical components having such features are identified by shading on the schematics and by (\Delta) on the parts list in Service manual. The use of a substitute replacement which does not have the same safety characteristics as the recommended replacement part shown in the parts list in Service manual may create shock, fire, or other hazards.
- 4. The leads in the products are routed and dressed with ties, clamps, tubings, barriers and/or the like to be separated from live parts, high temperature parts, moving parts and/or sharp edges for the prevention of electric shock and fire hazard.
 - When service is required, the original lead routing and dress should be observed, and they should be confirmed to be returned to normal, after reassembling.
- 5. Leakage current check
 - (Safety for electrical shock hazard)
 - After reassembling the product, always perform an isolation check on the exposed metal parts of the Products (antenna terminals, knobs, metal cabinet, screw heads, headphone jack, control shafts, etc.) to be sure the pro-

- duct is safe to operate without danger of electrical shock.
- Do not use a line isolation transformer during this check
- Plug the AC line cord directly into the AC outlet. Using a "Leakage Current Tester", measure the leakage current from each exposed metal part of the cabinet, particularly any exposed metal part having a return path to the chassis, to a known good earth ground. Any leakage current must not exceed 0.5 mA AC (r.m.s.).
- Alternate check method.
 - Plug the AC line cord directly into the AC outlet. Use an AC voltmeter having 1,000 ohms per volt or more sensitivity in the following manner. Connect a 1500Ω 10W resistor paralleled by a 0.15 μ F ACtype capacitor between an exposed metal part and a known good earth ground.
 - Measure the AC voltage across the resistor with the AC voltmeter.
 - Move the resistor connection to each exposed metal part, particularly any exposed metal part having a return path to the chassis, and measure the AC voltage across the resistor. Now, reverse the plug in the AC outlet and repeat each measurement. Any voltage measured must not exceed 0.75 V AC (r.m.s.).
 - This corresponds to 0.5 mA AC (r.m.s.).

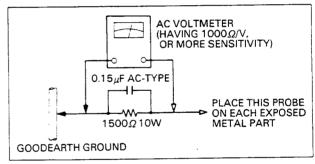


Fig. 1

CHECKING YOUR LINE VOLTAGE (For U.S. Military Market)

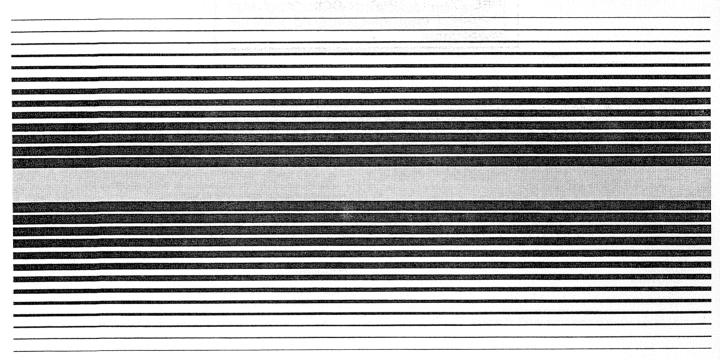
Before inserting the power plug, please check this setting to see that it corresponds with the line voltage in your area. If it doesn't be sure to adjust the voltage selector switch to the proper setting before operating this equipment. The voltage selector switch is located on the rear panel.

CAUTION: Before selecting the "Voltage selector switch" to proper voltage disconnect the power plug.



JVC Instruction Book

STEREO INTEGRATED AMPLIFIER AX-44BK/AX-66BK



MANUEL D'INSTRUCTIONS: AMPLIFICATEUR STEREO INTEGRE

AX-66BK

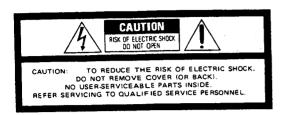


For Customer Use:

Enter below the Model No. and Serial No. which is located either on the rear, bottom or side of the cabinet. Retain this information for future reference.

Model No.

Serial No.





The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated 'dangerous voltage' within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

WARNING: TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

IMPORTANT (CANADA ONLY/CANADA SEULEMENT)

CAUTION: TO PREVENT ELECTRIC SHOCK DO NOT USE THIS (POLARIZED) PLUG WITH AN EXTENSION CORD, RECEPTACLE OR OTHER OUTLET UNLESS THE BLADES CAN BE FULLY INSERTED TO PREVENT BLADE EXPOSURE

ATTENTION: POUR PREVENIR LES CHOCS ELECTRIQUES NE PAS UTILISER CETTEFICHE POLARISEE AVEC UN PROLONGATEUR, UNE PRISE DE COURANT OU UNE AUTRE SORTIE DE COURANT, SAUF SI LES LAMES PEUVENT ETRE INSEREES A FOND SANS EN LAISSER AUCUNE PARTIE A DECOUVERT

CAUTION

To reduce the risk of electrical shocks, fire, etc.:

- Do not remove screws, covers or cabinet.
- 2. Do not expose this appliance to rain or moisture.

ATTENTION

Afin d'éviter tout risque d'électrocution, d'incendie etc.:

- Ne pas enlever les vis ni les panneaux et ne pas ouvrir le coffret de l'appareil.
- 2. Ne pas exposer l'appareil à la pluie ni à l'humidité.

Thank you for purchasing this JVC product. Before you begin operating this unit, please read the instructions carefully to be sure you get the best possible performance. If you have any question, consult your JVC dealer.

Tous nos compliments pour vous être procuré cet appareil JVC. Pour que vous puissiez obtenir les meilleures performances possibles, nous vous recommandons de lire attentivement la présente notice d'emploi avant de commencer à utiliser votre nouvel appareil. En cas de question, consultez votre revendeur JVC.

CONTENTS

| Important | 2 |
|--|---|
| Connection diagram | 3 |
| Front panel | 5 |
| Convenience features using synchro terminals | 6 |
| Operation | |
| Listening to broadcasts | 7 |
| Listening to records | 7 |
| Listening to tapes | 7 |
| Using stereo headphones | 7 |
| Recording tapes | 7 |
| To record from other sources | |
| (TUNER, CD/AUX) | 7 |
| Tape dubbing | 8 |
| How to operate monitor while | |
| recording on the tape deck | 8 |
| Use of S.E.A. Graphic Equalizer | Ω |
| Troubleshooting | |
| Specifications | |
| | - |

IMPORTANT

1. Installation

- Select a place which is level, dry and neither too hot nor too cold (between -5° C and 40° C/23°F and 104° F).
- Leave space between the rear of the amplifier and the wall. Good ventilation is needed, especially when the amplifier is driven at high output power. Also, leave space above the top of the amplifier for the same reason when stacking components.
- Do not allow a carpet, etc., to block the ventilation holes. Do not set it in a place subject to vibrations.

- Check that the amplifier is set for your local supply voltage and frequency. If not consult the dealer from whom you bought it.
- When unplugging from the wall outlet, always pull the plug, not the power cord.

Malfunctions, etc.

- There are no user serviceable parts inside. If anything goes wrong, unplug the power cord and consult your dealer.
- Do not insert any metallic object inside the amplifier.
- Do not allow water to get inside the amplifier.

SOMMAIRE

| mportant Diagramme des raccordements Panneau avant | 3 |
|---|---|
| quipements paralléles avec bornes synchro | |
| Ecoute d'émissions | |
| Ecoute de bandes | 7 |
| Utilisation d'un casque d'écoute stéréo | |
| Enregistrement à partir d'autres sources (TUNER, CD/AUX) | 7 |
| Copie de bandes | |
| Comment utiliser le controle auditif lors d.un enregistrement sur la platine d'enregistrement | ε |
| Utilisation de l'égaliseur graphique S.E.A | |
| Caractéristiques techniques | |
| | |

IMPORTANT

1. Installation

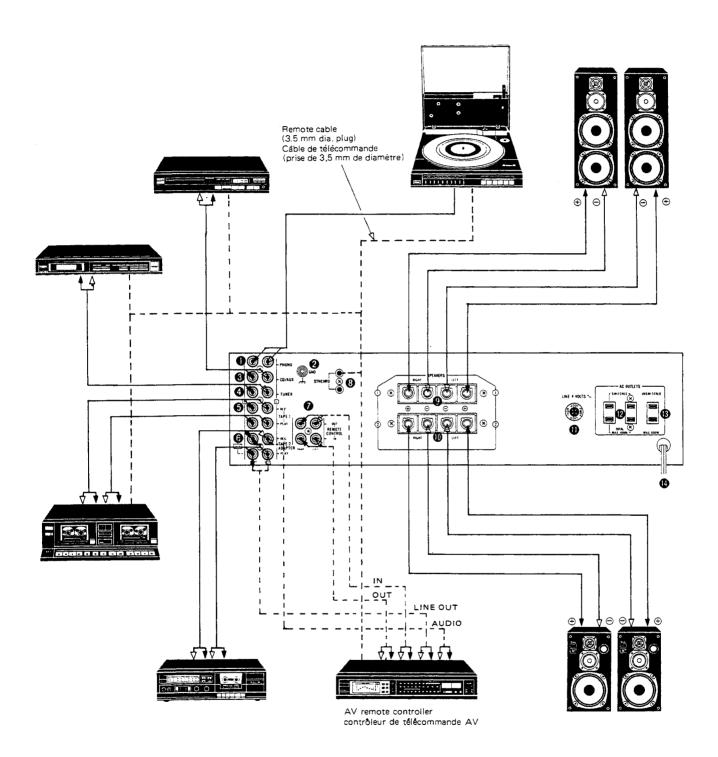
- Choisir un endroit plan, sec et ni trop chaud ni trop froid (entre -5°C et 40°C).
- Laisser un espace entre l'arrière de l'amplificateur et le mur. Une bonne aération est nécessaire, en particulier quand l'amplificateur est entraîné par un haute puissance de sortie. Laisser aussi un espace au-dessus de l'amplificateur pour la même raison quand vous voulez empiler des éléments.
- Ne pas obstruer les orifices d'aération avec un tapis etc.
- Ne pas placer l'appareil à un endroit sujet à des vibrations.

 Cordon d'alimentation

- Vérifier que l'amplificateur est bien réglé sur votre tension secteur. S'il ne l'est pas, consulter le revendeur chez qui vous vous l'êtes procuré
- Lors du débranchement de l'appareil, tirer toujours sur la prise et non sur le cordon.

3. Mauvais fonctionnements etc.

- Il n'y a aucune pièce à régler par l'utilisateur à l'intérieur. Si vous avez un problème, débrancher le cordon d'alimentation et consulter votre revendeur.
- Ne pas insérer d'objet métallique dans l'amplificateur.
- Ne pas laisser pénétrer d'eau dans l'amplificateur.



CONNECTION DIAGRAM

- PHONO terminals
- @ GND terminal

If your turntable has a ground lead, connect it to the GND terminal.

- 6 CD/AUX terminals
- 4 TUNER terminals
 5 TAPE 1 terminals
 - Note:
 - If a cassette deck installed with SYNCHRO terminals is used, connect it to these terminals.
- 6 TAPE 2 ADAPTER terminals

With the AX-44BK, AX-66BK, these terminals can also be used for connecting an S.E.A. graphic equalizer.

Notes:

- If your tape deck is of the three-head type, recording monitoring can be made possible by connecting it to these terminals.
- Do not connect the remote cable to the tape deck which is connected to the TAPE 2 ADAPTER terminals.
- **7** REMOTE CONTROL terminals

Remove the U-shaped plugs of these terminals.

It is possible to adjust the volume from a distance by connecting the ${\sf AV}$ remote controller to these terminals.

Note:

- Do not remove the U-shaped plugs, unless the connection of another unit is required. Without these plugs, no sound is output from the main unit.
- 8 SYNCHRO terminals
- 9 SPEAKERS 1 terminals
- **10** SPEAKERS 2 terminals
- AC line voltage selector (LINE VOLTS)

(Not provided on units for U.S.A., Canada). When this equipment is used in an area where the supply voltage is different from the preset voltage, reset the voltage selector to the correct position.

- 1 SWITCHED AC OUTLETS
- 13 UNSWITCHED AC OUTLET
- 1 Power cord

Notes:

- Connect source components with left and right channels connected correctly. Reversed channels may degrade the stereo effect.
- Connect speakers with correct polarity: (+) to (+) or (-) to (-).
 Reversed polarity may degrade the stereo effect.
- 3. Switch the power off when connecting any component.
- 4. Connect plugs or wires firmly. Poor contact may result in hum.
- Use speakers with the correct impedance. This amplifier is for use with an impedance from 8 to 16 ohms.
- 6. How to connect speakers:
 - Unscrew the knurled knobs and insert stripped wire ends. Screw the knobs back firmly and the electrical connection will be sufficient.
- Do not connect equipment requiring more than the rated power to the AC outlets on the rear panel.
- 8. The SWITCHED AC outlets are switched off when the front panel power button is switched off.
- The UNSWITCHED AC outlet is not switched off when the front panel power button is switched off.

SCHEMA DE RACCORDEMENTS

- Bornes de platine tourne-disque (PHONO)
- 2 Borne de mise à la terre (GND)

Si votre platine tourne-disque a un câble de mise à la terre séparé, le raccorder à cette borne.

- Bornes de disque audionumérique (CD/AUX)
- Bornes de syntoniseur (TUNER)
- 6 Bornes de platine d'enregistrement (TAPE 1) Remarque:
 - Si on utilise une platine d'enregistrement equipée de bornes de synchronisation (SYNCHRO), connecter la platine à ces bornes.
- 6 Bornes pour platine d'enregistrement 2 (TAPE 2 ADAPTER) Avec le AX-44BK, AX-66BK, ces bornes peuvent aussi être utilisées pour le raccordement d'un égaliseur graphique S.E.A.

Remarques:

- Si on utilise une platine d'enregistrement à trois têtes, il est possible de faire un contrôle auditif de l'enregistrement en connectant la platine à ces bornes.
- Ne pas connecter le câble de télécommande à la platine d'enregistrement qui est connectée aux bornes TAPE 2 ADAPTER.
- Bornes de télécommande (REMOTE CONTROL)
 Retirer de ces bornes les cavaliers en forme de U

Il est possible de régler le volume à distance en connectant le contrôleur de télécommande AV (audio-vidéo) à ces bornes.

Remarque:

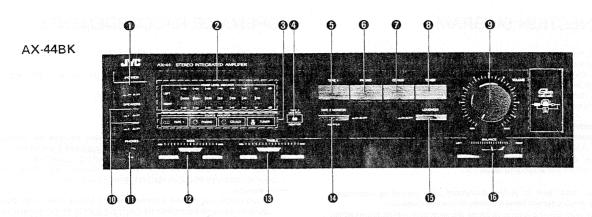
- Ne retirer les cavaliers en forme de U que dans le cas où il est nécessaire de connecter ces bornes à un autre appareil. Lorsque ces cavaliers sont retirés, aucun son n'est délivré par l'amplificateur.
- 8 Bornes de synchronisation (SYNCHRO)
- Bornes de haut-parleurs 1 (SPEAKERS 1)
- Bornes de haut-parleurs 2 (SPEAKERS 2)
- Sélecteur de tension de ligne CA (LINE VOLTS)
 (Non prévu sur les appareils destinés aux Etats-Unis, au Canada).

Quand cet appareil est utilisé dans une région où la tension secteur est différente de celle qui est préréglée, replacer le sélecteur de tension sur la position correcte.

- Prises CA commutées (SWITCHED AC OUTLETS)
- B Prise CA non commutée (UNSWITCHED AC OUTLET)
- (A) Cordon d'alimentation

Remarques:

- Raccorder les éléments de source en faisant attention de bien raccorder les canaux gauche et droit. Des canaux inversés risquent de dégrader l'effet stéréo.
- Lors du raccordement des haut-parleurs, respecter la polarité, (+) sur (+) et (-) sur (-). Une polarité inversée risque de dégrader l'effet stéréo.
- Mettre l'appareil hors tension lors du raccordement d'un appareil quelconque.
- Raccorder à fond les prises et câbles. Un mauvais contact risque de provoquer des ronflements.
- Utiliser des haut-parleurs ayant une impédance correcte. L'impédance nominale de cet amplificateur est de 8 à 16 ohms.
- 6. Raccordement des haut-parleurs:
 - Desserrer les boutons molletés et insérer les extrémités dénudées des câbles. Resserer les boutons et le raccordement électrique sera fait.
- Ne pas raccorder d'appareil nécessitant plus d'alimentation que celle qui est spécifiée aux prises CA du panneau arrière.
 Les prises SWITCHED AC sont mises hors circuit quand la touche
- Les prises SWITCHED AC sont mises hors circuit quand la touche d'alimentation du panneau frontal est mis sur la position d'arrêt.
- La prise UNSWITCHED AC n'est pas mise hors circuit quand la touche d'alimentation du panneau frontal est mis sur la position d'arrêt.



FRONT PANEL

O POWER

ON (__): Press the button to turn the power on, and the TUNER indicator (see <a>§) lights. The protection circuit functions for a few seconds after the indicator lights and during this period no sound is produced from the speakers.

produced from the speakers.

OFF (): Press the button again to turn the power off.

POWER LEVEL INDICATOR

LED lights according to the output.

SOURCE INDICATOR

The indicator corresponding to the source select button pressed lights.

TAPE 2 MONITOR/ADAPTER indicator

This indicator lights, when the TAPE 2 MONITOR/ADAPTER button is present

A TAPE 1

Press to listen to a tape deck connected to the TAPE 1 terminals.

O PHONO

Press to listen to records played by a turn-table connected to the PHONO terminals.

O CD/AUX

Press to listen to the source connected to the CD/AUX terminals.

O TUNER

Press to listen to radio broadcasts by a tuner connected to the TUNER terminals.

Q VOLUME

Controls the volume of the speakers and headphones.

(SPEAKERS

Press to button the speakers connected to the SPEAKERS 1 or 2 terminals on (\blacksquare) and off (\blacksquare).

Note:

 When speakers are connected to only one system of the SPEAKERS terminals, press only the SPEAKERS button of the system connected; if both buttons are pressed, sound will not be heard from either speaker system. When two pairs of speakers are connected and either or both SPEAKERS buttons is/are pressed, sound will be heard from either or both speaker system(s).

PHONES (Headphones lack)

Plug stereo headphones into this jack for private listening.

(BASS

Slide to the right to boost bass response, to the left to decrease it.

(TREBLE

Slide to the right to boost treble response, to the left to decrease it.

TAPE 2 MONITOR/ADAPTER

Press to listen to a tapedeck connected to the TAPE 2 ADAPTER termi-

1 LOUDNESS

Press this button ON (-) to compensate for the ear's different sensitivity to sound at low volumes.

M BALANCE

Balances the volume between the left and right speakers. Usually set it to the center click position.

PANNEAU AVANT

1 Interrupteur d'alimentation (POWER)

Position ON (-): Appuyer sur cet interrupteur pour mettre l'appareil sous tension, l'indicateur TUNER (voir) s'allume. Le circuit de protection entre en action pendant quelques secondes après que l'indicateur se soit allumé et durant cette période aucun son n'est délivré par les enceintes.

Position OFF (...): Appuyer une nouvelle fois sur cet interrupteur pour mettre l'appareil hors tension.

Q Indicateur de niveau d'alimentation (POWER LEVEL INDICATOR) LED s'allume suivant le débit.

(S) Indicateurs de source (SOURCE INDICATOR)

L'indicateur correspondant au sélecteur de source enfoncé s'allume.

Indicateur de platine d'enregistrement 2 (TAPE 2 MONITOR/ADAP-TER)

Cet indicateur s'allume lorsque la touche TAPE 2 MONITOR/ADAP-TER est enfoncée.

Platine d'enregistrement 1 (TAPE 1)

L'enfoncer pour écouter la platine d'enregistrement raccordée aux bornes TAPE 1.

() Platine tourne-disque (PHONO)

L'enfoncer pour écouter des disques joués par une platine raccordée aux bornes PHONO.

Commutateur de lecteur de disque audionumérique (CD/AUX) L'enfoncer pour écouter la source raccordée aux bornes CD/AUX

(3 Syntoniseur (TUNER)

L'enfoncer pour écouter des émissions radio sur un syntoniseur (TUNER) raccordé aux bornes TUNER.

② Commande de volume (VOLUME)

Pour contrôler le volume (VOLOME)

Pour contrôler le volume des haut-parleurs et du casque d'écoute.

(I) Haut-parleurs (SPEAKERS)

Les enfoncer pour commuter en ($\underline{\hspace{0.1in}}$) et hors ($\underline{\hspace{0.1in}}$) circuit les bornes SPEAKERS 1 ou 2.

Remarque

 Quand les haut-parleurs ne sont raccordés qu'à une paire de bornes SPEAKERS, n'enfoncer que la touche du système raccordé, si les deux commutateurs sont enfoncés, le son ne sera audible d'aucun système. Quand les deux paires sont raccordées et que l'un des la touche SPEAKERS ou les deux sont enfoncés, le son sera audible soit d'un système de haut-parleurs, soit des deux.

(D) Casque d'écoute (PHONES)

Brancher un casque stéréo sur cette prise pour une écoute privée

(BASS)

La coulisser vers la droite pour suramplifier la réponse des basses et vers la gauche pour la diminuer.

(B) Aiguës (TREBLE)

La coulisser vers la droite pour suramplifier la réponse des aiguës et vers la gauche pour la diminuer.

Platine dénregistrement 2 (TAPE 2 MONITOR/ADAPTOR)

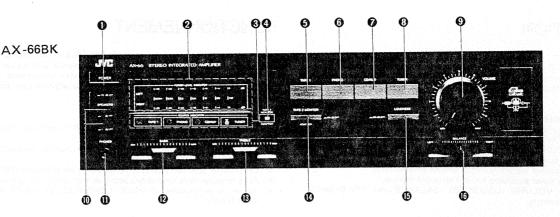
L'enfoncer pour écouter la platine d'enregistrement raccordée aux bornes TAPE 2 ADAPTER

(Contour (LOUDNESS)

Enfoncer ce commutateur () pour compenser la sensibilité différente de l'oreille à de faibles volumes.

(BALANCE)

Pour équilibrer le volume entre les haut-parleurs de gauche et de droite La placer normalement sur sa position centrale à déclic.



CONVENIENCE FEATURES USING SYNCHRO TERMINALS

Automatic Source Selection

If the attached remote cable is used to connect this unit to other components installed with synchro terminals, sources can be switched over with just one touch of this unit's source selector buttons and the corresponding component will start to play automatically. The source select button of the remote control unit or the appropriate component's activation button may also be used.

When switching over from one component to another, such as the cassette deck, turntable or CD player, the previous component will stop playing after about five seconds.

Synchronized Recording

Synchronized recording refers to the process whereby the cassette deck automatically commences recording, in synchronization with the CD player or turntable.

Set the cassette deck to REC/PAUSE mode according to the procedures in the instruction manual.

When synchronously recording with CD player, push the PLAY button on CD player.

The cassette deck enters the record mode the moment the CD player starts and synchronized recording commences.

Synchronized recording stops automatically when the CD player stops playing.

To cancel synchronized recording, push the STOP button of CD player, turntable or the cassette deck.

Notes

- When the REC/PAUSE mode is set by pushing PAUSE after depressing the REC and PLAY buttons simultaneously, synchronized recording is not possible. For details, refer to your cassette deck's instruction manual.
- Abnormal operation will result if the power supply of one of the components is interrupted halfway. If this happens, push the activation button again to restart.
- Ensure that the SYNCHRO terminal of each component is connected with the attached remote cable. Be sure to read the instruction manual for each component very carefully.
- The source is locked to CD/AUX or PHONO position during synchronized recording to avoid accidental stops or changing to another source.
 To change the source, first cancel the synchronized recording.

Caution

When a component (such as a cassette deck) is connected to the TAPE 2 ADAPTER terminals of the amplifier, do not connect the SYNCHRO terminals of the amplifier, do not connect the SYNCHRO terminals of such component to any other component with a remote cable.

EQUIPEMENTS PARALLÈLES AVEC BORNES SYNCHRO

Sélection de Source Automatique

Si le câble de commande à distance fourni est employé pour raccorder d'autres éléments dotés de bornes de SYNCHRO, les sources peuvent être changées avec un seul appui sur le sélecteur de source de cette unité et l'élément correspondant commencera automatiquement à fonctionner. On peut également avoir recours à la touche de sélection de source sur la commande à distance ou la touche appropriée sur l'élément concerné.

Combinaison de cet appareil à d'autres élément dotés de bornes de synchronisation pour appel direct.

Lors de la commutation d'un élément à un autre, (platine à cassette tournedisques, ou platine CD par exemple) l'élément commuté s'arrête au bout de cinq seconds environ.

Enregistrement synchronisé

L'enregistrement synchronisé est un procédé qui permet de commencer automatiquement un enregistrement sur cassette en synchronisation avec la platine CD ou tournedisques.

Mettre la platine à cassettes en mode d'enregistrement/pause (REC/PAUSE) en procédant comme indiqué dans le manuel d'utilisation. Pour l'enregistrement synchronisé d'un DC, appuyer sur la touche lecture (PLAY) de la platine CD.

La platine à cassette se met automatiquement en mode d'enregistrement au moment où la platine CD commence la lecture, et l'enregistrement synchronisé se met en marche.

L'enregistrement synchronisé est automatiquement arrêlé dès que la platine CD arrête la lecture.

Pour annuler l'enregistrement synchronisé enfoncer la touch d'arrêt (STOP) de la platine CD ou tournedisques de la platine à cassettes.

Remarques

- Si l'on établit le mode d'enregistrement/pause (REC/PAUSE) en appuyant sur la touche de pause (PAUSE) après avoir enfoncé simultanément les touches enregistrement (REC) et lecture (PALY), l'enregistrement synchronisé n'est pas possible. Pour plus de précisions, se reporter au manuel d'utilisation de la platine à cassette.
- Le fonctionnement sera anormal si l'alimentation de l'un des éléments du système d'appel direct est interrompue. Il faut alors appuyer à nouveau sur la touche d'activation pour remettre l'élément en marche.
- S'assurer que la borne SYNCHRO de chaque élément est raccordé avec le câble de téléconnexion qui a été fourni. Lire attentivement le manuel d'utilisation de chaque élément de la chaine.
- Pendant l'enregistrement synchrone, la source est verrouillée sur la position CD/AUX ou PHONO pour éviter des arrêts accidentels ou des changements de sources. Pour changer de source, annulez d'abord l'enregistrement synchrone.

Attention:

Lorsqu'un élément (tel une platine à cassette) est connecté aux prises TAPE 2 ADAPTER, ne pas connecter les bornes de synchronisation (SYNCHRO) de l'amplificateur, ne pas connecter les bornes de synchronisation (SYNCHRO) de l'élément à un autre élément à l'aide du câble de télécommande.

OPERATION

Before operation, always be sure to set VOLUME at minimum.

When the volume is increased after selecting a source position with no equipment connected to the input terminal, other connected devices (such as speakers) may be adversely affected by external noises and inductive hum.

Listening to broadcasts

- Connect a tuner to the TUNER terminals on the rear panel.
- Press the POWER button on:
- Press the TUNER button and make sure that the TAPE 2 MONITOR/ ADAPTER buttons are set to off.
- Select the speaker system with the SPEAKERS switches.
- Operate the tuner according to its instruction manual
- Adjust the VOLUME, LOUDNESS, BALANCE and TONE BASS/ TREBLE controls.

Listening to records

- 1. Connect a turntable to the PHONO terminals on the rear panel.
- Press the POWER button on.
- Press the PHONO button and make sure that the TAPE 2 MONITOR/ ADAPTER button is set off.
- Select the speaker system with the SPEAKERS switches.
- 5. Operate the turntable according to its instruction manual.
 6. Adjust the VOLUME, LOUDNESS, BALANCE and TONE as required.

Note: Use a turntable with an MM cartridge.

Listening to tapes

To listen to the tape deck connected to the TAPE 1 or TAPE 2 ADAPTER terminals.

- 1. Connect a tape deck to the PLAY terminals of the TAPE 1 or TAPE 2 ADAPTER.
- Press the POWER button on.
- Press the TAPE 1 button to play back the TAPE 1 deck. For playback of the TAPE 2 deck, press the TAPE 2 MONITOR/ADAPTER button to ON (--).
- 4. Select the speaker system with the SPEAKERS switches.
- 5. Operate the tape deck for playback according to its instruction manual.
- Adjust the playback sound controls as required.

- When the TAPE 1 and TAPE 2 MONITOR/ADAPTER buttons are pressed simultaneously, the TAPE 2 deck starts playing first and the TAPE 1 deck next. However, this sequence can be switched by releasing the TAPE 2 MONITOR/ADAPTER button and pressing it again.
- Do not place the tape deck directly on the amplifier, because it may cause the amplifier to malfunction.

Stereo headphones can be plugged into the front panel jack. Plugging headphones into the PHONES jack does not switch off the speaker sound.

Recording tapes

To record from disc sources onto a tape deck.

- Connect a tape deck to the REC terminals of the TAPE 1 or TAPE 2 ADAPTER terminals.
- Press the POWER button on.
- Select a speaker system if you wish to hear the sound while recording.
- Press the PHONO button.
- Operate the turntable.
- 6. Operate the tape deck for recording.

To record from other sources (TUNER, CD/AUX)

Press the TUNER, or CD/AUX button to record radio broadcasts, or the source connected to the CD/AUX terminals.

All other operations are identical to when recording from disc source

FONCTIONNEMENT

Avant le fonctionnement s'assurer que le VOLUME est au minimum.

Si l'on augmente le volume après avoir sélectionné une source dont la borne d'entrée n'est pas raccordée à un appareil quelconque, d'autres unités branchées (comme les enceintes) seront affectées par des bruits externes et un ronflement inductif.

Ecoute d'émissions

- Raccorder un syntoniseur aux bornes TUNER du panneau arrière.
- Enfoncer la touche POWER.
- Appuyer sur la touche TUNER et s'assurer que les touches TAPE 2 MONITOR/ADAPTOR sont relachées.
- Sélectionner le système de haut-parleurs avec les sélecteurs SPEAKERS.
- Faire fonctionner le syntoniseur selon les instructions de son manue
- Régler les commandes VOLUME, LOUDNESS, BALANCE et TONE BASS/TREBLE.

Ecoute de disques

- Raccorder une platine tourne-disque aux bornes PHONO du panneau arrière
- Enfoncer la touche POWER.
- Appuyer sur la touche PHONO et s'assurer que la touche TAPE 2 MONITOR/ADAPTER est relâchée.
- Sélectionner le système de haut-parleurs avec les sélecteurs SPEAKERS.
- Faire fonctionner le syntoniseur selon les instructions de son manuel
- Régler les commandes VOLUME, LOUDNESS, BALANCE et TONE.

Remarque: Utiliser une platine avec une cellule MM

Ecoute de bandes

Pour écouter la platine d'enregistrement connectée aux bornes TAPE 1 ou TAPE 2 ADAPTER.

- Connecter une platine d'enregistrement aux bornes pour lecture (PLAY) de TAPE 1 ou de TAPE 2 ADAPTER. Enfoncer la touche POWER.
- Appuyer sur la touche TAPE 1 pour écouter la platine d'enregistrement reliée aux bornes TAPE 1. Pour l'écoute de la platine d'enregistrement reliée aux bornes TAPE 2, mettre la touche TAPE 2 MONITOR/ADAP-TER sur la position ON (-).
- Sélectionner le système de haut-parleurs avec les sélecteurs SPEAKERS.
- Faire fonctionner la platine d'enregistrement en lecture selon les instructions de son manuel.
- 6. Régler les commandes pour obtenir un son optimum

- Lorsqu'on enfonce simultanément les touches TAPE 1 et TAPE 2 MONI-TOR/ADAPTER, la lecture commence d'abord sur la platine connectée aux bornes TAPE 2 et se poursuit sur la platine connectée aux bornes TAPE 1. Il est cependant possible d'inverser cette séquence en libérant la touche TAPE 2 MONITOR/ADAPTER et en la réenfonçant.
- Ne pas placer la platine d'enregistrement directement sur l'amplificateur car ceci risque de provoquer un mauvais fonctionnement de l'amplifica-

Utilisation d'un casque d'écoute stéréo

Un casque d'écoute stéréo peut être branché sur la prise du panneau avant. Le brancher sur cette prise ne coupe pas le son des haut-parleurs.

Enregistrement de bandes

Pour enregistrer à partir de disques sur une platine.

- Connecter une platine d'enregistrement aux bornes pour enregistrement (REC) de TAPE 1 ou de TAPE 2 ADAPTER.
- Enfoncer la touche POWER.
- Sélectionner le système de haut-parleurs si vous voulez écouter le son tout en enregistrant.
- 4. Enfoncer la touche PHONO
- Faire fonctionner la platine tourne-disque.
- Faire fonctionner la platine d'enregistrement en enregistrement.

Enregistrement à partir d'autres sources (TUNER, CD/AUX)

Enfoncer le commutateur TUNER, ou CD/AUX pour enregistrer des émissions radio ou la source raccordée aux bornes CD/AUX.

Tous les autres fonctionnements sont identiques à ceux de l'enregistrement à partir de disques.

Tane dubbing

Dubbing from the TAPE 1 to TAPE 2 is carried out as follows:

- Press the TAPE 1 button.
- Play back the TAPE 1 deck.
- 3. Record the sound from the TAPE 1 deck.

Dubbing from the TAPE 2 to TAPE 1 is carried out as follows:

- 1. Press the TAPE 2 button to ON (-).
- Play back the TAPE 2 deck. 3. Record the sound from the TAPE 2 deck.

- You can also monitor the sound being recorded with headphones.
- The sound you hear from the speakers or headphones is the source sound, not that being recorded on the tape.
- With the TAPE 1 button pressed on, you can not record the sound from other sources, such as PHONO, TUNER, CD/AUX, and TAPE 2 ADAP-TER.
- The VOLUME control of this amplifier has no effect on the recording level. Adjust the recording level with the controls on the tape deck.
- While playing back a tape on the cassette deck (to which the TAPE 2 ADAPTER terminals of this unit are connected), you can not record the sources from other components.

How to operate the monitor while recording on the tape deck

- Connect the 3-head tape deck to the TAPE 2 ADAPTER terminals.
- Make sure to connect the signal cords to the PLAY and REC terminals, and remove the remote cable connected to the tape deck.
- Select a source from which you want to record by depressing the SOURCE SELECTOR button on this unit. 4. Operate the tape deck for recording as described in its operating
- manual. 5. By playing the source component, you can record on the tape deck.
- 6. While recording on the tape deck, the recorded sound can be heard by depressing the TAPE 2 MONITOR/ADAPTER button on this unit or that of the remote control unit.

Use of S.E.A. Graphic Equalizer

The S.E.A. Graphic Equalizer is JVC's exclusive tone control system. By allowing you to boost or lower the response of finely divided sections of the frequency spectrum independently, the S.E.A. gives you much greater control over the sound quality of your stereo system. With an optionally available S.E.A. Graphic Equalizer, you can tailor the sound to your own taste for different types of music or to compensate for the particular acoustic characteristics of your audio components and listening

The TAPE 2 ADAPTER terminals of the AX-44BK, AX-66BK can be used for connecting the S.E.A. Graphic Equalizer.

Pour effectuer une copie de la platine d'enregistrement reliée aux bornes TAPE 1 vers la platine d'enregistrement reliée aux bornes TAPE 2:

- 1 Enfoncer la touche TAPE 1.
- Lire une cassette sur la platine reliée aux bornes TAPE 1.
- 3. Enregistrer le son sur la platine reliée aux bornes TAPE 1.

Pour effectuer une copie de la platine d'enregistrement reliée aux bornes TAPE 2 vers la platine d'enregistrement reliée aux bornes TAPE 1:

- 1. Mettre la touche TAPE 2 sur la position ON (-).
- 2. Lire une cassette sur la platine reliée aux bornes TAPE 2.
- 3. Enregistrer le son sur la platine reliée aux bornes TAPE 2.

Remarques:

- Vous pouvez aussi contrôler le son enregistré avec le casque d'écoute.
- Le son que vous entendez des haut-parleurs ou du casque est le son de la source et non pas le son enregistré sur la bande.
- Lorsque la touche TAPE 1 est enfoncée, il n'est pas possible d'enregistrer à partir d'autres sources reliées aux bornes PHONO, TUNER, CD/AUX, et TAPE 2 ADAPTER.
- La commande VOLUME de cet amplificateur n'a pas d'effet sur le niveau d'enregistrement. Régler celui-ci avec les commandes de la platine.
- e Lors de la lecture d'une bande sur le magnétocassette (auquel les bornes TAPE 2 ADAPTER de cet appareil sont connectées), il est impossible d'enregistrer les signaux d'entrée en provenance d'autres éléments.

Comment utiliser le controle auditif lors d'un enregistrement sur la platine d'enregistrement

- 1. Connecter la platine d'enregistrement à 3 têtes aux bornes TAPE 2 ADAPTER.
- 2. Veiller à bien connecter les cordons aux bornes pour lecture (PLAY) et pour enregistrement (REC) et retirer le câble de télécommande connecté à la platine d'enregistrement.
- 3. Sélectionner l'élément d'entrée que l'on désire enregistrer en enfonçant une touche du sélecteur d'entrée (SOURCE SELECTOR) de cet ap-
- 4. Faire fonctionner l'élément d'entrée comme décrit dans son mode d'emploi.
- 5. Il est alors possible d'effectuer l'enregistrement sur la platine d'enregistrement tout en écoutant l'élément d'entrée.
- 6. Tout en enregistrant sur la platine d'enregistrement, il est possible d'écouter le son enregistré en enfonçant la touche TAPE 2 MONITOR/ ADAPTER de cet appareil ou celle de l'unité de télécommande.

Utilisation de l'égaliseur graphique S.E.A.

Les égaliseurs graphiques S.E.A. sont des systèmes de commande de la tonalité exclusifs de JVC. Ils vous permettent de suramplifier ou de diminuer la réponse des différentes sections du spectre des fréquences indépendamment et par conséquent vous offrent un contrôle plus important sur la tonalité de votre chaîne stéréo. Avec un égaliseur graphique S.E.A. disponible en option, vous pouvez obtenir un son sur mesure pour différents types de musique ou compenser la réponse acoustique de vos appareils audio ou de la pièce d'écoute. Les bornes TAPE 2 ADAPTER du AX-44BK, AX-66BK peuvent être utilisées pour le raccordement d'un égaliseur graphique S.E.A.

TROUBLESHOOTING

What appears to be a malfunction may not always be serious Make sure first.

No sound and no light

is the AC plug connected properly? Are the connections made correctly?

No sound from speakers

Are speaker cords connected?

Are the SPEAKERS buttons correctly set?

is the VOLUME control properly set? is your source component correctly set?

Sound from one speaker only

Are speaker cords connected correctly?

is BALANCE control set to one extreme or the other?

Loud hum during record playing

is turntable grounded? Try to change cord path.

Howling noise during record playing

is turntable too close to a speaker?

EN CAS DE DIFFICULTE

Ce qui semble au départ être un mauvais fonctionnement n'est pas toujours tràs sérious

Assurez-vous d'abord que . .

Aucun son et pas d'éclairement

La prise CA est-elle correctement branchée?

Les raccordements sont-ils bien faits?

Pas de son des haut-parleurs

Les câbles des haut-parleurs sont-ils raccordés? Les sélecteurs SPEAKERS sont-ils réglés correctement?

La commande VOLUME est-elle réglée correctement?

Vos appareils de source sont-ils correctement installés?

Le son ne provient que d'un seul haut-parleur

Les câbles de haut-parleurs sont-ils raccordés correctement?

La commande BALANCE est-elle tournée à fond dans un sens ou dans l'autre?

Bourdonnement sourd pendant la lecture de disques

La platine est-elle mise à la terre?

Essaver de changer l'emplacement du cordon.

Hurlement pendant la lecture de disques

La platine tourne-disque est-elle trop près des haut-parleurs?

SPECIFICATIONS

AX-44BK

Output Power

100 watts per channel min. RMS, both channels driven into 8 ohms from 20 Hz to 20 kHz, with no more than 0.03% total harmonic distortion.

(U.S.A. and Canada only)

110 watts per channel, min. RMS, into 8 ohms at 1 kHz with no more than 0.7% total har-

monic distortion.

2.5 mV/47 kohms

160 mV/47 kohms

160 mV/45 kohms

70 dB ('66 IHE)

97 dB ('66 IHF)

74 dB ('78 IHF.

Speaker Out)

Total harmonic

distortion Power band width 0.008% at 100 watts (1 kHz, 8 ohms) 10 Hz - 30 kHz ('66 IHF 0.2%, 8 ohms both

channels driven)

Frequency Response 10 Hz - 60 kHz, +0.5, -3 dB (8 ohms)

Input terminals

Input sensitivity/

impedance (1 kHz)

PHONO

TUNER

TAPE-1 TAPE 2

CD/AUX

Signal-to-noise ratio

PHONO TUNER

CD/AUX TAPE-1, 2

PHONO

TUNER

CD/AUX **TAPE-1, 2**

: TREBLE: +8 ±1 dB

 $-8 \pm 1 dB$ (at 10 kHz)

BASS +8 ±1 dB $-8 \pm 1 \, dB$

78 dB ('78 IHF, Rec Out)

(at 100 Hz)

+6 dB (at 100 Hz)

Loudness controls (Volume Control at

-30 dB position) PHONO RIAA

+4 dB (at 10 kHz) ±0.5 dB (20 Hz -

deviation 20 kHz)

GENERAL

Power source

See back page

Dimensions and weight:

CARACTERISTIQUES TECHNIQUES

AX-44BK

Puissance de sortie

RMS, les deux 100 watts par canal, min. canaux entraînés à 8 ohms de 20 Hz à 20 kHz. avec moins de 0,03% de distorsion harmonique totale. (Etats-Unis et Canada seulement)

110 watts par canal, min. RMS, alimentés par 8 ohms à 1 kHz, avec moins de 0,7% de distor-

sion harmonique totalle.

Distorsion harmonique

totale

0,008% à 100 watts (1 KHz, 8 ohms)

Largeur de gamme

de puissance

10 Hz - 30 kHz ('66 IHF 0,2%, 8 ohms, les deux canaux entraînés) 10 Hz - 60 kHz, +0,5, -3 dB (8 ohms)

Réponse en fréquence :

Bornes d'entrée

Sensibilité d'entrée /

impédance (1 kHz)

PHONO

2.5 mV/47 kohms TUNER 160 mV/47 kohms

CD/AUX TAPE 1

TAPE 2

: 160 mV/45 kohms

Rapport signal/bruit

70 dB ('66 IHF) PHONO TUNER 97 dB ('66 IHF) CD/AUX

TAPE 1,2 PHONO

TUNER CD/AUX 78 dB ('78 IHF, sortie d'enregistrement) 74 dB ('78 IHF, sortie de haut-parleurs)

TAPE 1, 2

Commandes de tonalité

: TREBLE: +8 ± 1 dB $-8 \pm 1 dB$ BASS: +8 + 1 dB

+6 dB (à 10 kHz)

-8 ± 1 dB (à 100 Hz) +6 dB (à 100 Hz)

Commandes de contour (Commande de

volume à -30 dB) Déviation PHONO : ±0,5 dB (20 Hz - 20 kHz)

GENERALES

RIAA

Alimentation Voir page arrière

Dimensions et poids

| [| Weight | | |
|--------------------|-------------------|-------------------|----------|
| Width | Height | Depth | (kg/lbs) |
| 43.5 (17-3/16") | 11.7 (4-5/8'') | 30.0 (11-7/8″) | 6.8/14.8 |

Design and specifications subject to change without notice.

| | Dimensions (cm) | | Poids |
|---------|-----------------|------------|-------|
| Largeur | Hauteur | Profondeur | (kg) |
| 43,5 | 11,7 | 30,0 | 6,8 |

Présentation et caractéristiques modifiables sans préavis.

AX-66BK

Output Power

120 watts per channel min. RMS, both channels driven into 8 ohms from 20 Hz to 20 kHz, with no more than 0.03% total harmonic distortion. (LLS A. and Canada only)

120 watts per channel, min. RMS, into 8 ohms at 1 kHz with no more than 0.007% total harmonic distortion.

130 watts per channel, min. RMS, into 8 ohms at 1 kHz with no more than 0.009% total harmonic distortion.

Total harmonic

distortion

0.007% at 120 watts (1 kHz 8 ohms)

0.009% at 130 watts (1 kHz, 8 ohms)

Power band width

10 Hz - 30 kHz ('66 IHF 0.2%, 8 ohms both

channels driven) 10 Hz - 60 kHz, +0.5, -3 dB (8 ohms)

2.5 mV/47 kohms

160 mV/47 kohms

Frequency Response Input terminals

Input sensitivity/

impedance (1 kHz)

PHONO TUNER

CD/AUX TAPE-1

: 160 mV/45 kohms TAPE 2

Signal-to-noise ratio

70 dB ('66 IHF) PHONO 97 dB ('66 1HF) TUNER CD/AUX

TAPE-1. 2

PHONO

78 dB (*78 IHF, Rec Out) 74 dB ('78 IHF.

TUNER CD/AUX **TΔPF-1 2**

Speaker Out)

BASS:

Tone controls

TREBLE: +8 ±1 dB

+6 dB (at 100 Hz)

-8 ± 1 dB (at 10 kHz)

+8 ±1 dB $-8 \pm 1 \, dB$ (at 100 Hz)

Loudness controls (Volume Control at

+4 dB (at 10 kHz) -30 dB position) ±0,5 dB (20 Hz -

PHONO RIAA deviation

20 kHz)

GENERAL

Power source See back page

Dimensions and weight:

| Dimensions (cm) | | Weight | |
|---------------------|-------------------|--------------------|----------|
| Width | Height | Depth | (kg/lbs) |
| 43.5 (17-3/16'') | 11.7 (4-5/8'') | 34.6 (13-5/8'') | 7.8/17.2 |

Design and specifications subject to change without notice.

AX-66BK

Puissance de sortie

: 120 watts par canal, min. RMS, les deux canaux entraînés à 8 ohms de 20 Hz à 20 kHz, avec moins de 0,03% de distorsion harmonique totale. (Etats-Unis et Canada seulement)

120 watts par canal, min. RMS, alimentés par 8 ohms à 1 kHz, avec moins de 0,007% de dis-

torsion harmonique totalle.

130 watts par canal, min. RMS, alimentés par 8 ohms å 1 kHz, avec moins de 0,009% de dis-

torsion harmonique totalle.

Distorsion harmonique totale

0,007% å 120 watts (1 kHz, 8 ohms) 0,009% à 130 watts (1 KHz, 8 ohms)

Largeur de gamme

de puissance

10 Hz - 30 kHz ('66 1HF 0,2%, 8 ohms, les

74dB ('78 lHF, sortie de haut-parleurs)

deux canaux entraînés) 10 Hz - 60 kHz, +0,5, -3 dB (8 ohms)

Réponse en fréquence : Bornes d'entrée

Sensibilité d'entrée/ impédance (1 kHz)

2.5 mV/47 kohms PHONO 160 mV/47 kohms TUNER

CD/AUX TAPE 1

: 160 mV/45 kohms TAPE 2

Rapport signal/bruit PHONO

70 dB ('66 IHF) 97 dB ('66 IHF) TUNER

CD/AUX **TAPE 1, 2** 78 dB ('78 IHF, sortie d'enregistrement) PHONO

TUNER CD/AUX

TAPE 1, 2 TREBLE: +8 ± 1 dB Commandes de tonalité -8 ± 1 dB

+8 ± 1 dB BASS: -8 ± 1 dB (à 100 Hz)

+6 dB (à 100 Hz) Commandes de +6 dB (à 10 kHz) contour

(Commande de volume à -30 dB)

Déviation PHONO : ± 0.5 dB (20 Hz - 20 kHz) RIAA

GENERALES

Voir page arrière Alimentation

Dimensions et poids

| | Dimensions (cm | Dimensions (cm) | |
|---------|----------------|-----------------|------|
| Largeur | Hauteur | Profondeur | (kg) |
| 43,5 | 11,7 | 34,6 | 7,8 |

Présentation et caractéristiques modifiables sans préavis.

AX-44BK

POWER SPECIFICATIONS

| Areas | Line Voltage & Frequency | Power Consumption |
|-------------|---|-------------------|
| U.S.A. | AC 120 V ◇, 60 Hz | 200 watts |
| Canada | AC 120 V V, 00 H2 | 340 watts, 435 VA |
| Other areas | AC 110/120/220/240 V ∼ Selectable, 50/60 Hz | 200 watts |

CARACTERISTIQUES D'ALIMENTATION

| Pays | Tension de ligne et fréquence | Consommation |
|-------------|---|-------------------|
| Etats-Unis | CA 120 V ∼ 60 Hz | 200 watts |
| Canada | CA 120 V V, 80 H2 | 340 watts, 435 VA |
| Autres pays | CA 110/120/220/240 V ∿ commutable, 50/60 Hz | 200 watts |

AX-66BK

POWER SPECIFICATIONS

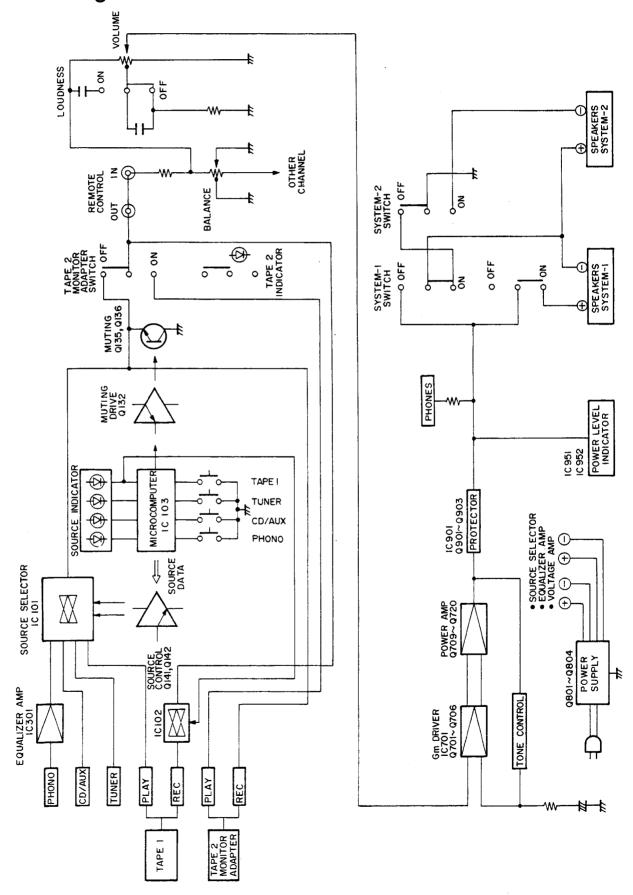
| Areas | Line Voltage & Frequency | Power Consumption |
|--------|--------------------------|-------------------|
| U.S.A. | AC 120 V № 60 Hz | 220 watts |
| Canada | AC 120 V V, 00 112 | 370 watts, 470 VA |

CARACTERISTIQUES D'ALIMENTATION

| Pays | Tension de ligne et fréquence | Consommation |
|------------|-------------------------------|-------------------|
| Etats-Unis | CA 120 V ∼. 60 Hz | 220 watts |
| Canada | - CA 120 V V, 60 H2 | 370 watts, 470 VA |



Block Diagram



Removal and Reassembly Procedures

Removal of the Main P.C. Board

- 1. Remove the metal cover.
- 2. Remove screws ~ on the bracket of P.C. board. (Fig. 2)

Note: If screws and can not be easily removed, loosen the power transformer fixing screws and then slighty move the power transformer.

3. Pull out the main P.C. board in the direction of arrow as shown in Fig. 3.

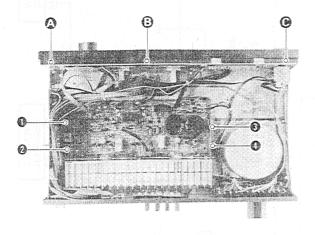


Fig. 2

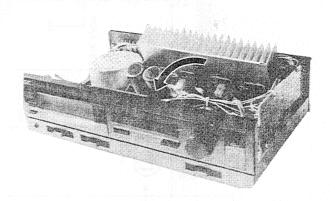


Fig. 3

■ Removal of the Front Panel

- Remove plastic rivets on the upper part of front anel shown in Fig. 1.
- 2. Remove screws $\textcircled{\scriptsize \textbf{9}} \sim \textcircled{\scriptsize \textbf{6}}$ on the bottom side shown in Fig. 4.
- 3. Extract each knob for BASS, TREBLE, BALANCE and VOLUME.

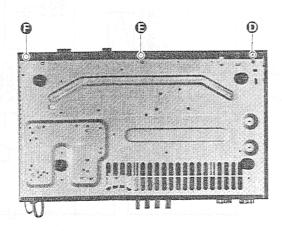
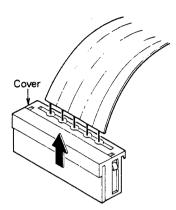
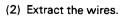


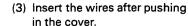
Fig. 4

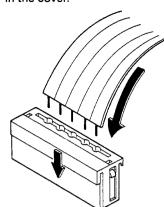
■ Use of New-type Connector

(1) Slide the cover upward.









Adjustment Procedures

■ Power Amplifier Idling Current Adjustment

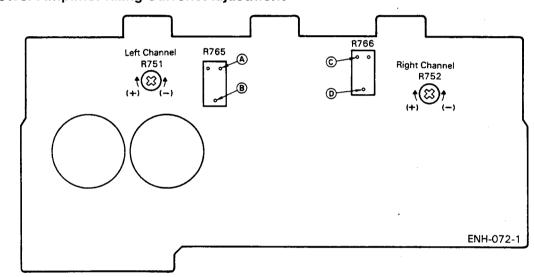


Fig. 6

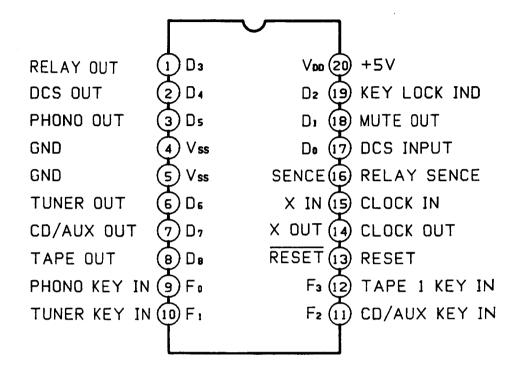
- Before turning on the power, turn the semi-fixed resistors (R751 for L channel and R752 for R channel) of the power amplifier circuit board fully counterclockwise.
- 2. Adjust the semi-fixed resistors (R751 and R752) so that the voltage at the following test points of the power amplifier circuit board is within a range of $0.5 \sim 1.0$ mV after the power is turned on.
- L channel: Measure the voltage between test point (a) (emitter of Q717) and output at the test point (B).
- R channel: Measure the voltage between test point © (emitter of Q718) and output at the test point ®.
- Readjust resistors R751 and R752 about 5 minutes after the power is turned on (the heatsink temperature must be sufficiently high) so that the voltage at the test points becomes 2.3 mV.

Confirm that the voltage does not vary when the heatsink temperature increases further.

Note: Be sure to perform the measurement with the probes and cabinet of the measuring equipment separated from the grounding terminals of AX-44BK or other measuring equipment.

Guidance to Repairing

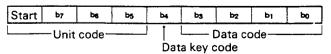
■ IC103 (M50761-304P) Pin Functions



■ Data Transmission Method

The SYNCHRO terminal, connected via the common bus line to the other equpment, handles two-way data excange by bollowing data transmission method.

1-word/1-command structure



 $b_4 = 0$ Operation code

b4 = 1 Station number or tune number code (not used in this model)

■ Signal Code List

• Code list 1: b4 = 0 (OP = Optional) (A) DECK

| Hexadecimal Data code | | | Function | Key input with same meaning | | |
|-----------------------|---|---|----------|-----------------------------|-------------------------------------|------------------------|
| 0 | 0 | 0 | 0 | 0 | | |
| 1 | 0 | 0 | 0 | 1 | PLAY status set | PLAY |
| 2 | 0 | 0 | 1 | 0 | STOP status set ["STOP (I)" signal] | STOP |
| 6 | 0 | 1 | 1 | 0 | REC PLUSE set after 4-sec, REC MUTE | REC MUTE PAUSE |
| 9 | 1 | 0 | 0 | 0 | REC PLAY status set | REC · PLAY |
| E | 1 | 1 | 1 | 0 | STOP status set only during PLAY | ——— "STOP (II)" signal |

(B) TURNTABLE

| Hexadecimal | | Data | code | | Function | Key input with same meaning | |
|-------------|---|------|------|---|---|-----------------------------|--|
| 6 | 0 | 1 | 1 | 0 | Tonearm returns to arm rest and turntable STOP status set | ——— (ALL STOP) | |
| 7 | 0 | 1 | 1 | 1 | "START" | | |
| 9 | 1 | 0 | 0 | 1 | Deck saves recording-discontinued signal | (NON REC) | |
| A | 1 | 0 | 1 | 0 | Saves the signal when the deck enters from the mode other than rec to REC PAUSE mode. | (REC · PAUSE) | |

(C) AMPLIFIER

| Hexadecimal | Data code | | Data code Function | | Function | Key input with same meaning |
|-------------|-----------|---|--------------------|---|-------------------------------------|-----------------------------|
| 0 | 0 | 0 | 0 | 0 | | |
| 1 1 | 0 | 0 | 0 | 1 | SOURCE switched to PHONO | |
| 3 | 0 | 0 | 1 | 1 | SOURCE switched to CD/AUX | CD/AUX |
| 4 | 0 | 1 | 0 | 0 | SOURCE switched to TAPE 1 | TAPE 1 |
| 9 | 1 | 0 | 0 | 0 | Edit-recording start signal | |
| A | 1 | 0 | 1 | 0 | SOURCE returned to previous setting | "REC (SOURCE)" |
| | | | | | [REC (SOURCE)] | |

(D) TUNER

| ļ | Hexadecimal | | Data | code | | Function | Key input with same meaning |
|---|-------------|---|------|------|---|---------------------------------------|-----------------------------|
| | 0 | 0 | 0 | 0 | 0 | Cancellation of audio muting of TUNER | |

(E) CD PLAYER

| Hexadecimal | | Data | code | | Function | Key input with same meaning |
|-------------|---|------|------|---|-----------------|-----------------------------|
| 1 | 0 | 0 | 0 | 1 | PLAY status set | |

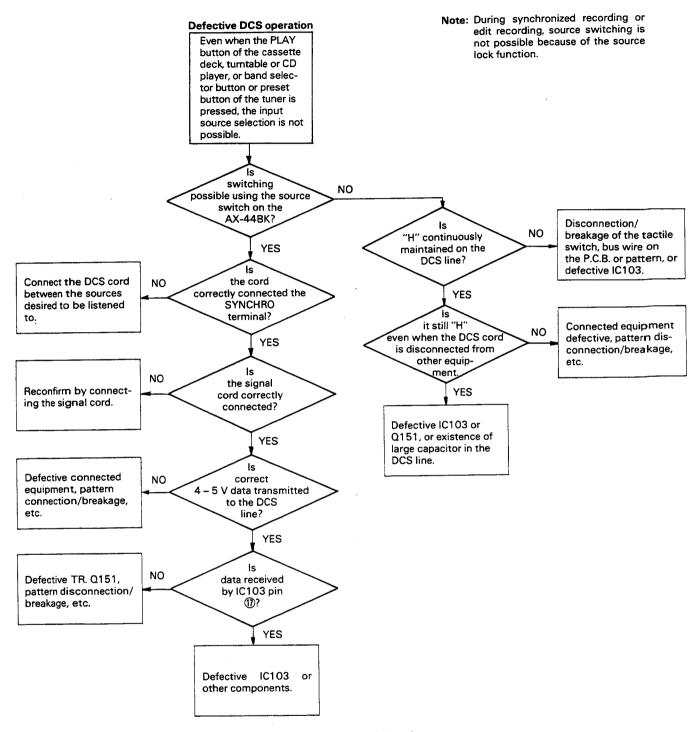
Code list

| | | Į. | Jnit code |) | |
|---|---|----|-----------|---|-----------|
| Ī | 0 | 0 | 0 | 0 | |
| ١ | 1 | 0 | 0 | 1 | DECK |
| l | 2 | 0 | 1 | 0 | CD PLAYER |
| l | 4 | 1 | 0 | 0 | TURNTABLE |
| ١ | 5 | 1 | 0 | 1 | AMPLIFIER |
| 1 | 8 | 1 | 1 | 0 | TUNER |

As the SYNCHRO terminal uses a common bus line with all equipment as shown in the tables above, the or der of connection of equipment poses no problem.

The SYNCHRO terminal is not connected to GROUND; because of this, DCS does not function when signal codes are not continuously transmitted between the equipment.

5-(4) Troubleshooting



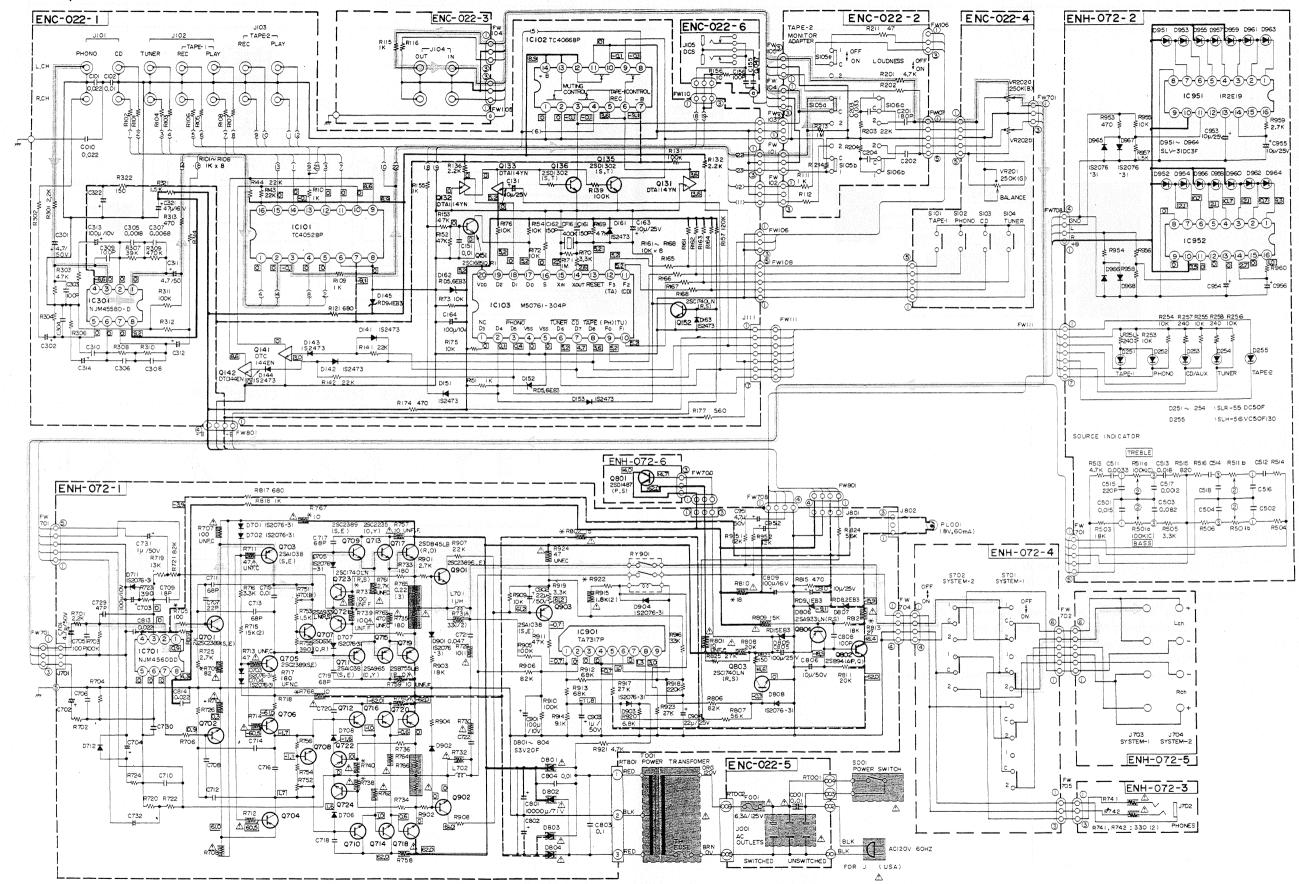
When DCS is defective as shown in the above example, check if signals are output on the DCS data line.

(Simplified check method)

Apply probes of the tester (for voltage measurement) between the SYNCHRO terminal and the ground, and press the button of the equipment of be checked then check if the tester needle moves with a momentary shaking motion.

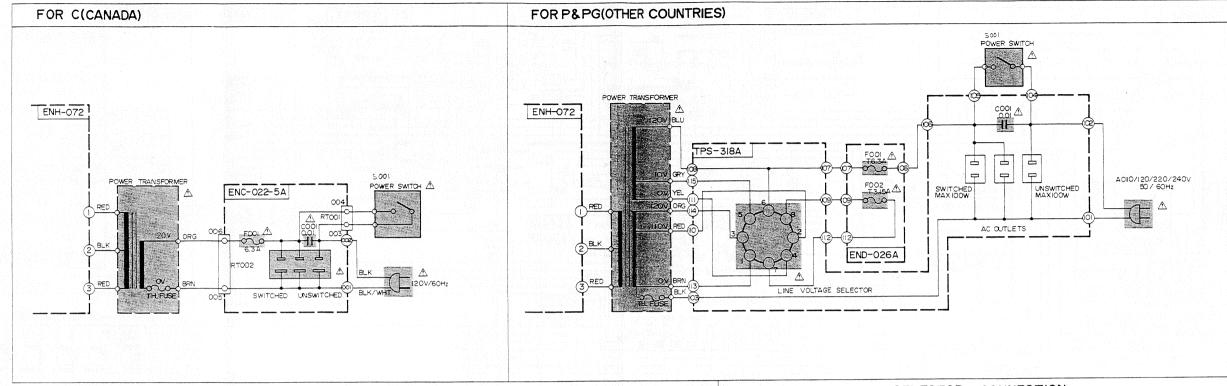
Schematic Diagram

M AX-44BK Amplifier Section



Schematic Diagram

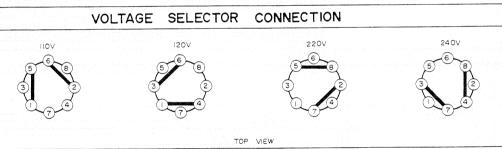
■ AX-44BK Power Supply Section



Notes:

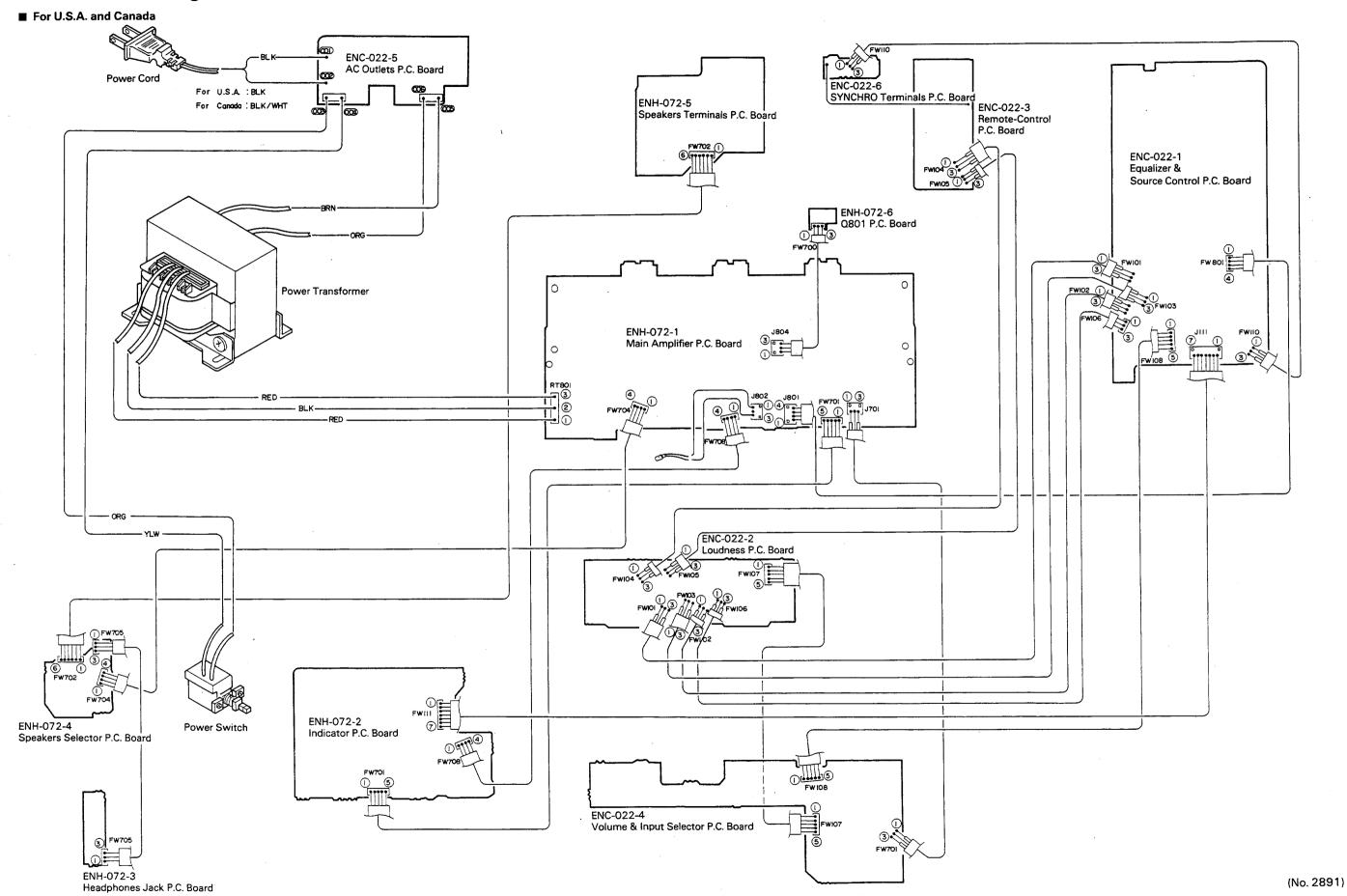
- 1. indicates positive B power supply.
- 2. ---- indicates negative B power supply.
- 3. indicates signal path.
- 4. ____ shows DC voltage to the chasiss with no signal inpt.
- 5. When replacing the parts in the darkened area (\bigcirc) and those marked with \triangle , be sure to use the designated parts to ensure safety.
- 6. This is the standard circuit diagram.

The design and contents are subject to change without notice.

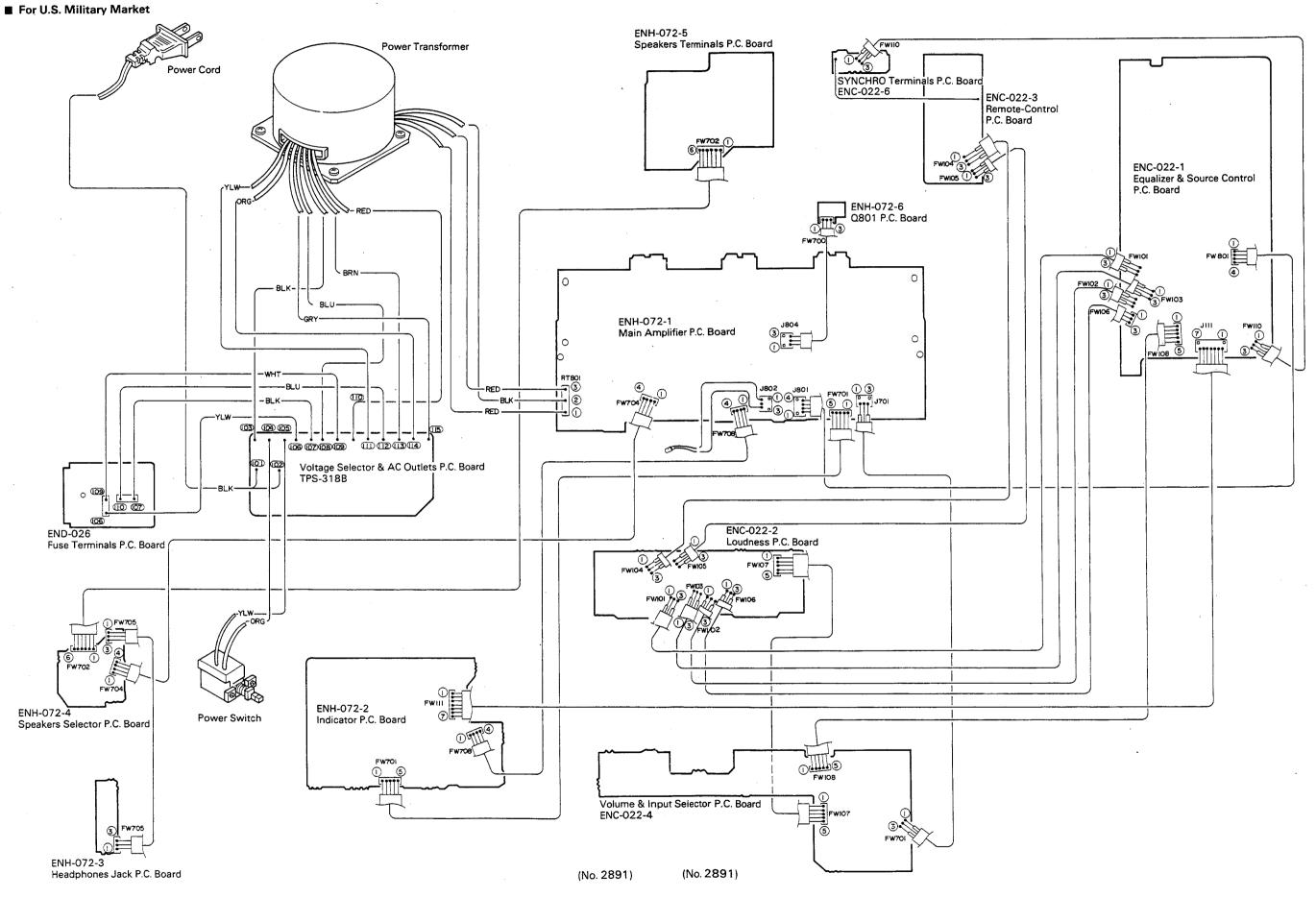


| REA SYMBOL No. | R709,710 | R767,768 | R922 | R923 | R802 | R813 | R808 | R810 | R705,706 | R737~74 |
|----------------------|----------|----------|-------|------|--------|--------|--------|--------|----------|---------|
| J (USA) | UNF. C | UNF. C | 1000 | ι5ΚΩ | UNF. C | UNF. C | UNF. C | UNF. C | C.RES | C RES |
| C (CANADA) | UNF. C | UNF. C | 1000 | 15KΩ | UNF. C | UNF. C | UNF. C | UNF. C | C.RES | UNF, F |
| P. PG (OTHER NTRIES) | UNF. F | UNF. F | SHORT | 56ΚΩ | UNF. F | UNF. F | UNF. F | UNF. F | C.RES | CRES |

Connection Diagram



Connection Diagram



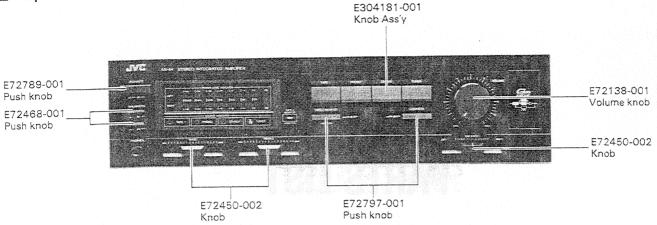
PARTS LIST

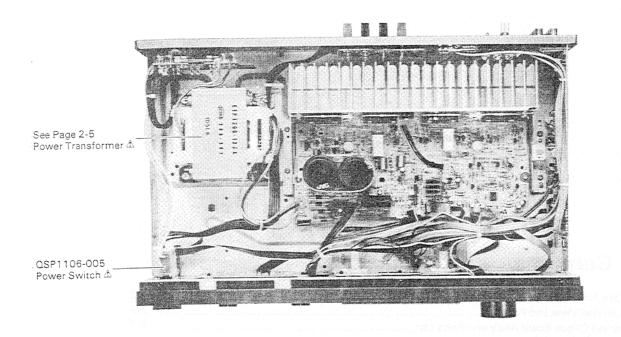
Contents

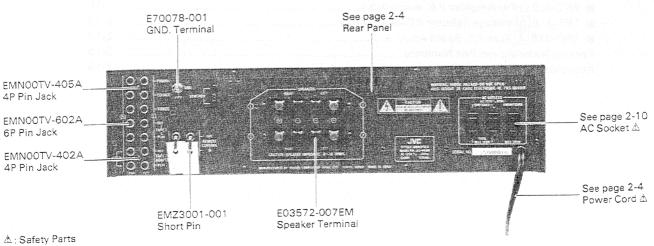
| Main Parts Locations | 2-2 |
|---|-----|
| Exploded View and Part List | 2-3 |
| Printed Circuit Board Ass'y and Parts List | |
| ■ ENH-072 □ Power Amplifier P.C.Board Ass'y | |
| ■ ENC-022 □ Pre-Amplifier P.C. Board Ass'y | |
| ■ TPS-318 B Voltage Selector P.C. Board Ass'y | |
| ■ END-026 A Fuse P.C. Board Ass'y | |
| Packing Materials and Part Numbers | |
| Accessories List | |

Main Parts Locations

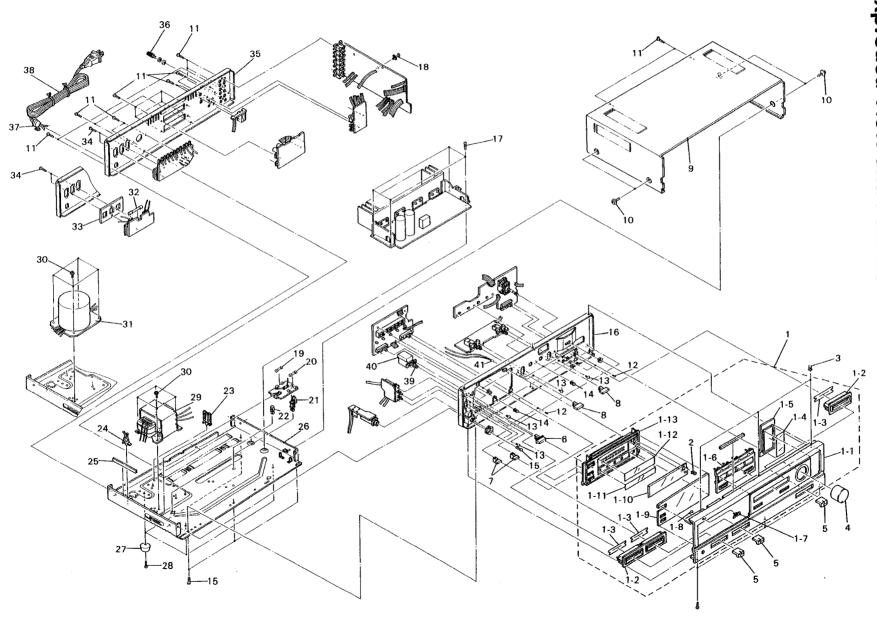
■ Top View







Exploded View and Part List



| 7 | item No. | Part Number | Part Name | Q'ty | Description | Areas |
|----------|--|---------------|-------------------|------|----------------|-------|
| | 1 | EFP-AX44BKE | Front Panel Ass'y | 1 | | |
| | 1-1 | E25253-002 | Front Panel | 1 | | j |
| | 1-2 | E304136-001 | Knob Escutcheon | 1 | | |
| | 1-3 | E72944-001 | Felt Spacer | 3 | | |
| | 1-4 | E72798-001 | Sheet | 1 | | |
| \top | 1-5 | E72853-001 | Escutcheon | 1 | | |
| | 1-6 | E304181-001 | Knob Ass'y | 1 | | |
| | 1-7 | E72968-001 | JVC Mark | 1 | | |
| | 1-8 | E60912-003 | Spped Nut | 1 | | |
| | 1-9 | E304090-002 | Window Screen | 1 | | |
| 7 | 1-10 | E304088-002 | Scale | 9 | | |
| | 1-11 | E72796-002 | Sheet | 1 | | |
| Ì | 1-12 | E72795-001 | Sheet | 1 | | |
| 1 | 1-13 | E25255-001 | Window Escutcheon | 1 | | |
| - | 2 | E48729-007 | Plastic Rivet | 1 | | |
| 7 | 3 | E48729-009 | Plastic Rivet | 3 | | |
| | 4 | E72138-001 | Volume Knob | 1 | | |
| | 5 | E72450-002 | Knob | 3 | 1 | |
| | 6 | E72789-001 | Push Knob | 1 | Power | |
| | 7 | E72468-001 | Push Button | 2 | Speakers | |
| _ | 8 | E72797-001 | Push knob | 2 | Tape, Loudness | |
| | 9 | E24721-006 | Metal Cover | 1 | | |
| - 1 | | E61660-004 | Screw | 4 | | |
| | 10 | SBSB3008M | Screw | 20 | | |
| | 11 12 | E70053-001 | Screw | 4 | | · |
| _ | | | Screw | 8 | | |
| | 13 | SBST3006Z | Plastic Rivet | 6 | | |
| | 14 | E48729-008 | Screw | 5 | | |
| - | 15 | SBSB3008N | Front Bracket | 1 | | |
| | 16 | E11240-001 | Screw | 4 | | |
| | 17 | SBST3006CC | | | | |
| | 18 | E69384-002 | Fastener | 1 | F002 | P,PG |
| Δ | 19 | QMF51A2-3R15S | Fuse | 1 1 | F002 | P,PG |
| Δ | 20 | QMF51A2-6R3S | Fuse | 1 | P001 | P,PG |
| | 21 | E34455-001 | Fastener | 1 | | 1,7,5 |
| | 22 | E71335-002 | Fastener | | | |
| | 23 | QHW3059-001 | Wire Clamp | 1 | | 10 |
| 1 | 24 | QHW2052-001 | Wire Clamp | 1 | | J,C |
| | 25 | E65778-002 | Spacer | 1 | | |
| l | 26 | E10717-011 | Chassis Base | 1 | | |
| | 27 | E47227-012 | Foot | 4 | | |
| | 28 | SBSB3010Z | Screw | 4 | | |
| Δ | 29 | ETP1200-12JA | Power Transformer | 1 | | J,C |
| | 30 | E65389-004 | Screw | 4 | | |
| Δ | 31 | ETP4300-02FA | Power Transformer | 1 | | P,PG |
| Δ | 32 | QMF60U1-6R3 | Fuse | 1 | | J,C |
| | 33 | E69589-005 | Spacer | 1 | | J |
| | 34 | SDSB3008M | Screw | 2 | | |
| l | 35 | E24127-045 | Rear Panel | 1 | | j |
| | | E24127-047 | Rear Panel | 1 | | С |
| | | E24127-048 | Rear Panel | 1 | | P,PG |
| Δ | 37 | QHS3876-162 | Cord Stopper | 1 | | |
| | | QMP1900-200 | Power Cord | | | J |
| A | 38 | QMP1480-200H | Power Cord | 1 | | c |
| Δ | | QMP7600-250 | Power Cord | 1 | | P,PG |
| Δ | 39 | QSP1106-005 | Power Switch | 1 | | |
| <u> </u> | | | | 1 | | |
| | 40 | E71005-001 | Switch Cover | 1 | | |
| 1 | 41 | ELP3105-8060A | Pilot Lamp | ' | <u></u> | |

 $\underline{\mathbb{A}}:\mathsf{Safety}\;\mathsf{Parts}$

The Marks for Designated Areas

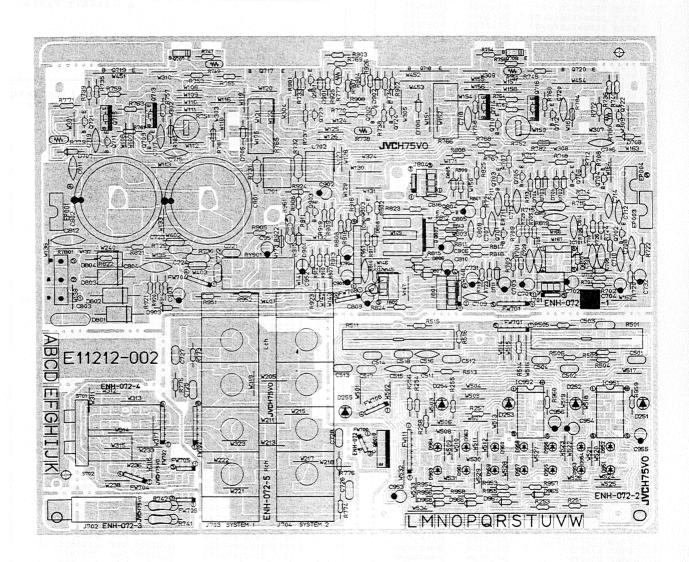
J.....U.S.A C.....Canada

P,PG.....U.S.Military Market

Printed Circuit Board Ass'y and Parts List

BIOMETRIC STATE ■ ENH-072 □ Power Amplifier P.C.Board Ass'y Note: ENH-072 □ Varies according to the areas employed. See note (1) when placing on order. Note (1)

| P.C. Board Ass'y | Designated Areas |
|------------------|---------------------|
| ENH-072 A | U.S.A |
| ENH-072 B | Canada |
| ENH-072L | U.S.Military Market |



| | TRA | NSITORS_ | , | |
|---|------|--------------------------------|--------------------|--------------|
| Λ | ITEM | PART NUMBER | DESCR | IPTION AREA |
| _ | | | | MAKER |
| | | | | |
| | 9701 | 2SC2389(S,E) | SILICON | ROHM |
| | | 2SC2389(S/E) | SILICON | ROHM |
| | 9703 | 2SA1038(S.E) | SILICON | ронм |
| | 9704 | 2SA1038(S,E) | SILICON | ROHM |
| | | 2SC2389(S,E) | SILICON | ROHM |
| | | 25C2389(S/E) | SILICON | ROHM |
| | | 2SD636(Q/R) | SILICON | MATSUSHITA |
| | 0708 | 2SD636(Q/R) | SILICON | MATSUSHITA |
| | | 2SC2389(S,E) | SILICON | ROHM |
| | 0710 | 2SC2389(\$,E) | SILICON | ROHM |
| | | 2SA1038(S,E) | SILICON | ROHM |
| | 0712 | 2SA1038(S,E) | SILICON SILICON | TOSHIBA |
| | | 2SC2235(0,Y) | SILICON | TOSHIBA |
| | Q714 | 2SC2235(0,Y) | SILICON | TOSHIBA |
| | Q715 | 2SA965(0,Y) | SILICON | TOSHIBA |
| | G716 | 2SA965(0,Y) | SILICON | TOSHIBA |
| | Q717 | 2SD845LB(0,R) | SILICON | TOSHIBA |
| | Q718 | 2SD845LB(0,R) | SILICON | TOSHIBA |
| | | 2SB755LB(0,R) | SILICON | TOSHIBA |
| | | 2SB755LB(0,R) 2SA933LN(R,S) | SILICON | ROHM |
| | | | SILICON | ROHM |
| | Q722 | 2SC1740LN(R,S) | SILICON | ROHM |
| | 9724 | | SILICON | ROHM |
| 1 | 0801 | | SILICON | MATSUSHITA |
| | 0802 | | SILICON | MATSUSHITA |
| İ | 0803 | | SILICON | ROHM |
| Ì | 0804 | | SILICON | ROHM |
| | 0901 | | SILICON | ROHM |
| i | | 2SC2389(S,E) | SILICON | ROHM |
| | | 2SA1038(S,E) | SILICON | ROHM |
| | | | | |
| _ | | | <u> </u> | SAFETY PARTS |

| I. C | . s | | | , |
|----------------|-------------|--|----------------------------------|------|
| | PART NUMBER | DESCR | I P T ! O N M A K E R | AREA |
| IC901 IC951 | TA7317P | I - C - I - C - I - C - I - C - | JRC TOSHIBA SHARP SHARP | |
| | | <u> </u> | SAFFTY PA | RTS. |

| | DIO | DES | | | |
|----------|------|-------------|---------|------------|-------|
| Δ | ITEM | PART NUMBER | DESCR | MAKER | AREA |
| <u> </u> | | | | ROHM | - |
| 1 | | SLR-SSDC50F | | ROHM | l |
| 1 | | SLR-55DC5OF | | | |
| 1 | | SLR-55DC5OF | | ROHM | } |
| | | SLR-55DC5OF | | ROHM | İ |
| l | | | L.E.D. | ROHM | |
| 1 | | 152076-31 | SILICON | HITACHI |] |
| 1 | D702 | 1320,0 31 | | HITACHI | 1 |
| | 0703 | 1360/0 31 | | HITACHI | İ |
| Į. | 0704 | 182076-31 | (0 | HITACHI | |
| 1 | | 152076-31 | | HITACHI | ļ |
| | 0706 | 1\$2076-31 | | HITACHI | 1 |
| 1 | 0707 | 152076-31 | | HITACHI | į |
| 1 | 0708 | | | HITACHI | i |
| | | 10000 | SILICON | HITACHI | į |
| 1 | D712 | 152076-31 | SILICON | HITACHI | i |
| | D801 | , \$3V20F | SILICON | SHINDENGEN | i |
| 1 | D802 | S3V20F | SILICON | SHINDENGEN | |
| 1 | 0803 | \$3V20F | SILICON | SHINDENGEN | į |
| 1 | 0804 | | SILICON | SHINDENGEN | |
| | | RD15EB3 | ZENER | NEC | ! |
| į | D806 | | ZENER | NEC | i |
| 1 | D807 | | ZENER | NEC | |
| | 0808 | | SILICON | HITACHI | 1 |
| | D901 | - | SILICON | HITACHI | |
| | 0902 | • | SILICON | HITACHI | 1 |
| | D903 | | SILICON | HITACHI | |
| 1 | D904 | | SILICON | HITACHI | ì |
| 1 | | | L.E.D. | ROHM |] |
| | | SLV-31DC3F | L.E.D. | ROHM | i |
| ŀ | | SLV-31DC3F | L.E.D. | ROHM | l |
| | , | | Δ: | SAFETY PAR | RTS |

| | DIC | DES | | | | | | | | | | | | | |
|---|------|---------------|-------|-----|-----|------|--------------|---|-----|-----|----|-----|----|----|----|
| A | ITEM | PART | иим | BER | D | E : | s c | R | I P | Т | I | 0 | N | ΛR | EΛ |
| | | | | | | | _ | | М | ٨ | ĸ | E : | R | | |
| | 0954 | SLV-31 | DC3F | | L.E | . D | | | ROH | M | | - | | | |
| | 0955 | SLV-31 | DC3F | | L.E | .D | | | ROH | M | | | | ĺ | |
| | D956 | SLV-31 | LDC3F | | L.E | .0 | • | | ROH | М | | | | 1 | |
| | 0957 | \$LV-31 | DC3F | | L.E | .D | - | | ROH | M | | | | 1 | |
| 1 | D958 | SLV-31 | DC3F | • | L.E | .D | - | | ROH | M | | | | l | |
| | D959 | SLV-3 | DC3F | | L.E | .D | • | | ROH | M | | | | | |
| Ì | D960 | SLV-3 | DC3F | | L.E | .D | | | ROH | M | | | | 1 | |
| 1 | D961 | | | | L.E | .D | • | | ROH | M | | | | l | |
| - | 0962 | SLV-3 | DC3F | | L.E | .D | | | ROH | M | | | | [| |
| | | SLV-3 | | | L.E | . D | | | ROH | M | | | | l | |
| | D964 | *** ********* | | | L.E | .D | • | | ROH | M | | | | | |
| 1 | D965 | | 5-31 | | SIL | IC | ON | | HIT | AC | ΗI | | | 1 | |
| | D966 | | | | SIL | I C | NO | | HIT | A C | ΗI | | | i | |
| | D967 | | | | SIL | IC | ON | | HIT | A C | ΗI | | | | |
| 1 | | 15207 | | | SIL | JI C | ON_ | | HII | AC | нI | | | | |
| | | | | | | | Δ | : | SA | FE | TY | ′ : | PA | RT | S |

| | <u>С Л Р</u> | ACITORS | | | | |
|-------------|--------------|----------------------------|----------------|------------|--------------------|------|
| ♪ | ITEM | PART NUMBER | DESC | R I | PTION | AREA |
| l | C501 | QFN81HK-153 | 0.015MF | 50V | MYLAR | |
| - 1 | C502 | QFN81HK-153 | 0.015MF | | MYLAR | |
| | C503 | QFN81HK-823 | 0.082MF | | MYLAR | |
| | C504 | | 0.082MF | l' i | MYLAR | |
| - 1 | C511 | QFN81HK-332 | 3300PF | | MYLAR | |
| | C512 | QFN81HK-332 | 3300PF | | MYLAR | |
| | C513 | | 0.018MF | | MYLAR | |
| | C514 | | | | MYLAR | |
| | C515 | | 220PF | | CERAMIC | |
| | C516 | | 220PF | | CERAMIC | |
| | C517 | QFN81HK-122 | 1200PF | | MYLAR MYLAR | |
| | C518 | | | | ELECTRO | |
| | C701 | | 4.7MF 4.7MF | | ELECTRO | |
| | C702 | QETB1HM-475 | | | ELECTRO | |
| | | QETB1AM-107 | 100MF | | ELECTRO | |
| | C704 | GETB1AM-107 | 100MF | | CERAMIC | |
| į | C705 | QCS21HJ-101 | 100PF | 1- | CERAMIC | |
| | C706 | QCS21HJ-101 QCS21HJ-220 | 22PF | | CERAMIC | |
| | C707 | QCS21HJ-220 | 22PF | 50V | CERAMIC | |
| • • • • • • | C709 | QCS21HJ-180 | 18PF | 50V | CERAMIC | |
| | C710 | | 18PF | | CERAMIC | |
| | C711 | QCS21HJ-680 | 68PF | | CERAMIC | |
| | C712 | | 68PF | 50V | CERAMIC | |
| | C713 | QCS21HJ-680 | 68PF | | CERAMIC | ! |
| | C714 | QCS21HJ-680 | 68PF | SOV | CERAMIC | |
| | C715 | QCF21HP-103 | 0.01MF | 50V | CERAMIC | |
| | C716 | QCF21HP-103 | 0.01MF | sov | CERAMIC | i |
| | C717 | QCS21HJ-680 | 68PF | sov | CERAMIC | |
| | C718 | QCS21HJ-680 | 68PF | sov | CERAMIC | İ |
| | C719 | QCS21HJ-680 | 68PF | 50V | CERAMIC | |
| | C720 | | 68PF | sov | CERAMIC | |
| | C721 | QFN81HK-473 | 0.047MF | SOV | MYLAR | |
| | C722 | | 0.047MF | SOV . | MYLAR | 1 |
| | C731 | QETB1HM-105 | 1MF | 50V | ELECTRO | |
| | C732 | QETB1HM-105 | 1MF | sov | ELECTRO | ļ. |
| | C801 | EEZ7101-109 | 10000MF | 71V | ELECTRO | İ |
| | C802 | EEZ7101-109 | 10000MF | 71V | ELECTRO | 1 |
| | C803 | QFH42EK-104 | 0.1MF | 250V | H.MYLAR | 1 |
| | C804 | QCE22HP-103A | 0.01MF | 500V | CERAMIC | |
| | C805 | QETB1EM-107 | 100MF | 25V | ELECTRO | 1 |
| | C806 | | 10MF | 50V | ELECTRO | |
| | C808 | | 100PF | sov | CERAMIC | 1 |
| | C809 | | 100MF | 16V | ELECTRO | |
| | C810 | | 10MF | 25V | ELECTRO | |
| | C813 | | 0.022MF | 50V | CERAMIC | |
| | C814 | | 0.022MF | 50V | CERAMIC | |
| | C901 | | 100MF | 100 | ELECTRO | i |
| | C902 | | 22MF | 507 | ELECTRO | ļ |
| | | QETB1HM-105 | 1MF | 50V | ELECTRO | |
| | C904 | | 22MF | 25V 50V | ELECTRO ELECTRO | İ |
| | C951 | | 4.7MF | 50V | ELECTRO | |
| | C952 | | 4.7MF | 25V | ELECTRO | l |
| | C953 | | 10MF | | ELECTRO | 1 |
| | C954 | | 10MF | 25V | | |
| | C955 | | 10MF | 25V | ELECTRO | 1 |
| | C956 | QETB1EM-106 | 10MF | 25V | ELECTRO | 1 |
| | | | 1 | | 1 | |
| | | | | | 1 | L |
| | : | | | \ : S | AFETY PA | RTS |

| | ITEM | ISTORS PART NUMBER | DESC | Ri | PTION | AREA |
|-------------|--------------|-------------------------------|------------|--------------|-----------------------|----------|
| - | R251 | QRD148J-241S | | | CARBON | |
| 1 | R253 | QRD148J-103S | | 1/4W | CARBON | |
| ١ | R254 | QRD148J-103S | | | CARBON | |
| Ì | R255 | QRD148J-103S | | 1/4W | CARBON | |
| | R256 | QRD148J-103S QRD148J-241S | 10K 240 | 1/4W 1/4W | CARBON CARBON | ••••• |
| | R257 R258 | QRD148J-241S | 240 | 1/4W | CARBON | |
| ļ | R501 | QVUB01C-E15E | 100K | 1/8W | VARIABLE | |
| | R503 | QRD148J-183S | | 1/4W | CARBON | |
| | R504 | QRD148J-183S | 18K | 1/4W | CARBON | |
| | R505 | QRD148J-332S QRD148J-332S | | 1/4W 1/4W | CARBON | |
| | R506 | QVUB01C-E15E | 100K | 1/8W | VARIABLE | |
| | R513 | QRD148J-472S | 4.7K | 1/4W | CARBON | |
| | R514 | QRD148J-4725 | 4.7K | 1/4W | CARBON | |
| | R515 | QRD148J-821S QRD148J-821S | 820 820 | 1/4W 1/4W | CARBON | |
| | R516 | QRD148J-222\$ | | 1/4W | CARBON | |
| | R702 | QRD148J-222S | 2.2K | 1/4W | CARBON | |
| | | QRD148J-104S | 100K | 1/4W | CARBON | |
| | R704 | QRD148J-104S | 100K | 1/4W 1/4W | CARBON | Α |
| | R705 | QRD148J-101S QRD148J-101S | 100 | 1/4W | CARBON | В |
| ٨ | R705 | QRZ0062-1013 | 100 | 1/4W | FUSIBLE | Ĺ |
| | | QRD148J-101S | 100 | 1/4W | CARBON | <u>A</u> |
| | R706 | QRD148J-101S | 100 | 1/4W | CARBON | В |
| 2 | R706 | QRZ0062-101 QRD145J-101S | 100 | 1/4W | FUSIBLE UNF.CARBON | L |
| <u>A</u> | R708 | QRD145J-1015 | 100 | 1/4W | UNF . CARBON | |
| | R709 | | 82 | 1/4W | UNF.CARBON | A |
| <u>^</u> | R709 | QRD145J-820S | 82 | 1/4W | UNF. CARBON | В |
| ۵ | R709 | QRZ0062-820 | 82 | 1/4W | FUSIBLE | L |
| Δ | R710 | QRD145J-820S QRD145J-820S | 82 82 | 1/4W 1/4W | UNF.CARBON | A B |
| À | R710 | | 82 | 1/4W | FUSIBLE | Ĺ |
| <u>^</u> | R711 | QRD145J-470S | 47 | 1/4W | | |
| <u>A</u> | R712 | QRD145J-470S | 47 | 1/4W | UNF.CARBON | |
| Δ | R713 | QRD145J-470S | 47 47 | 1/4W | UNF.CARBON | |
| ♠ | R714 | QRD145J-470S QRG022J-153AF | 15K | 2W | O.M.FILM | |
| Δ | R715 | QRD148J-332S | 3.3K | 1/4W | CARBON | |
| Δ | R717 | QRD145J-1815 | 180 | 1/4W | UNF.CARBON | |
| Δ | R718 | QRD145J-181S | 180 | 1/4W | UNF.CARBON | |
| | R719 | QRD148J-133S | 13K | 1/4W | CARBON | |
| | R720 | QRD148J-133S QRD148J-823S | 13K 82K | 1/48 | CARBON | |
| | R722 | QRD148J-823S | 82K | 1/4W | CARBON | |
| | R723 | QRD148J-391S | 390 | 1/4W | CARBON | |
| | R724 | QRD148J-3915 | 390 . | 1/4W | CARBON | |
| | R725 | QRD148J-272S QRD148J-272S | 2.7K | 1/4W | CARBON | |
| A | R729 | QRG012J-100A | 10 | 1 W | O.M.FILM | |
| | R730 | QRG012J-100A | 10 | 1 W | O.M.FILM | |
| Δ | R731 | QRD125J-330 | 33 | 1/29 | UNF CARBON | |
| Δ. | R732 | | 33 | 1/2W | UNF.CARBON | |
| | R733 | QRD148J-181S QRD148J-181S | 180 | 1/4W | CARBON | |
| | | QRD148J-181S | 180 | 1/4W | CARBON | |
| | R736 | | 180 | 1/4W | CARBON | |
| | R737 | QRD148J-101S | 100 | 1/4W | CARBON | A |
| | R737 | QRD148J-101S QRZ0062-101 | 100 | 1/4W 1/4W | CARBON FUSIBLE | L B |
| Δ | R738 | QRD148J-101S | 100 | 1/4W | CARBON | Α |
| | R738 | QRD148J-101S | 100 | 1/4W | CARBON | L |
| Δ | R738 | QRZ0062-101 | 100 | 1/4W 1/4W | CARBON | B A |
| | R739 | QRD148J-101S QRD148J-101S | 100 | 1/4W | CARBON | î |
| Δ | R739 | QRZ0062-101 | 100 | 1/4W | FUSIBLE | В |
| _ | R740 | QRD148J-101S | 100 | 1/4W | CARBON | A |
| | R740 | QRD148J-101S QRZ0062-101 | 100 | 1/4W 1/4W | CARBON | L B |
| ◮ | R740 | QRG022J-331A | 330 | 2W | O.M.FILM | - |
| Δ | R742 | | 330 | 2W | O.M.FILM | |
| | R751 | QVZ3501-471 | 470 | | VARIABLE | |
| | R752 | QVP4A0B-471 | 470 | 1 // 11 | VARIABLE | |
| | R753 | | 1.5K | 1/4W | CARBON | |
| | R754 | QRD148J-1925 | 390 | 1/4W | 1 1 | |
| | R756 | | 390 | 1/4W | | |
| Δ | R757 | QRZ0062-100 | 10 | 1/4W | FUSIBLE | |
| Δ | R758 | QRZ0062-100 | 10 | 1/4W | FUSIBLE | |
| ◬ | R759 | | 10 | 1/4W | FUSIBLE FUSIBLE | |
| Æ, | R760 | | 2.7K | 1/4W | UNF.CARBON | |
| A A A | R762 | | 2.7K | 1/4W | UNF.CARBON | |
| Á | R763 | QRD145J-471S | 470 | 1/4W | UNF.CARBON | |
| ◬ | R764 | | 470 | 1/4W | UNF.CARBON | |
| | R765 | ERF032K-R22 | 0.22 | 3W | CEMENT | |

| | RES | ISTORS | | | | |
|----------------------------------|--------------|-------------------------------|-------------|--------------|--------------------------|------|
| Δ | ITEM | PART NUMBER | DESC | R I | PTION | AREA |
| 寸 | R766 | ERF032K-R22 | 0.22 | 3W | CEMENT | |
| Δ | R767 | QRD145J-1005 | | 1/4W | UNF.CARBON | Α |
| △ | R767 | QRD145J-100S | | | UNF.CARBON | |
| ۸ | R767 | | | | FUSIBLE | L |
| Δ. | R768 | QRD145J-100S QRD145J-100S | | 1/4W 1/4W | UNF.CARBON UNF.CARBON | В |
| 2 | R768 | QRZ0062-100 | | | FUSIBLE | L |
| Δ | R801; | | | | UNF. CARBON | |
| ۵ | R802 | QRD145J-150S | 15 | | UNF - CARBON | |
| 400000000 | R802 | QRD145J-150S | 15 | 1/4W | UNF.CARBON | В. |
| Δ | R802 | QRZ0062-150 | | _ | FUSIBLE | [|
| | R806 | QRD148J-823S | | | CARBON | |
| | R807 R808 | QRD148J-563S QRD148J-203S | | | CARBON CARBON | |
| | R809 | QRD148J-153S | 15K | 1/4W | CARBON | |
| Δ | R810 | QRD145J-180S | 18 | 1/4W | UNF. CARBON | Α |
| △ △ △ | R810 | QRD145J-180S | 18 | | UNF.CARBON | |
| Δ | R810 | QRZ0062-180 | 18 | 1/4W | FUSIBLE | L |
| | R811 | QRD148J-203S QRD148J-183S | 20K 18K | 1/4W 1/4W | CARBON CARBON | |
| Δ | R813 | QRD145J-270S | 27 | 1/4W | UNF.CARBON | A |
| ۵ | R813 | QRD145J-270S | 27 | 1/4W | UNF.CARBON | В |
| Δ | R813 | QRZ0062-270 | 2 7 | 1/4W | FUSIBLE | L L |
| | R815 | QRD148J-471S | 470 | 1/4W | CARBON | |
| | R817 | QRD148J-681S QRD148J-102S | 680 1K | 1/4W 1/4W | CARBON | |
| | R819 | QRD148J-202S | 2K | 1/4W | CARBON | |
| | R821 | QRD148J-154\$ | 1 M | 1/4W | CARBON | |
| | R821 | QRD148J-154S | 1 M | 1/4W | CARBON | |
| | R823 | QRD148J-151S | 150 | 1/4W | CARBON | |
| | R824 | QRD148J-5635 QRD148J-2735 | 56K 27K | 1/4W | CARBON | |
| | R901 | | 2.7K | 1/4W | CARBON | |
| | R902 | QRD148J-272S | 2.7K | 1/4W | CARBON | ļ |
| | R903 | QRD148J-183S | 18K | 1/4W | CARBON | |
| | R904 | QRD148J-183S | 18K 100K | 1/4W | CARBON CARBON | 1 |
| ••••• | R905 | QRD148J-104S QRD148J-823S | 82K | 1/4W | CARBON | |
| | R907 | QRD148J-223S | 22K | 1/4W | CARBON | |
| | R908 | | 22K | 1/4W | CARBON | |
| | R909 | | 10K 100K | 1/4W | CARBON | 1 |
| | R910 | QRD148J-104S QRD148J-473S | 47K | 1/4W | CARBON | |
| | R912 | QRD148J-683S | 68K | 1/4W | CARBON | 1 |
| | R913 | QRD148J-683S | 68K | 1/4W | CARBON | |
| | R914 | QRD148J-912S | 9.1K | 1/44 | CARBON | 1 |
| Δ. | R915 | QRG022J-182AF QRD148J-333S | 1.8K | 2W 1/4W | CARBON | |
| | R917 | | 27K | 1/49 | CARBON | |
| İ | R918 | | 220K | 1/4₩ | CARBON | 1 |
| | R919 | QRD148J-332S | 3.3K | 1/4W | CARBON | |
| | R920 | | 6.8K | 1/4W | CARBON | |
| | R921 | QRD148J-472S QRD148J-101S | 4.7K | 1/4W | CARBON | А |
| | R922 | | 100 | 1/4W | CARBON | В |
| | R923 | QRD148J-273S | 27K | 1/4W | CARBON | .] |
| Δ. | R924 | | 47 | 1/4W | UNF.CARBO | N |
| | R951 | | 12K 12K | 1/4W | | 1 |
| l | R953 | | 470 | 1/4W | | 1 |
| | R954 | 1 | 470 | 1/4W | CARBON | |
| | R955 | QRD148J-103S | 10K | 1/4W | | |
| ŀ | R956 | | 10K 1.5K | 1/4W | CARBON CARBON | |
| | R957 | | 1.5K | 1/4W | | ļ. |
| | R959 | | 2.7K | 1/4W | CARBON | - |
| L | R960 | | 2.7K | 1/4W | | |
| | | • | Δ | 2 : S | AFETY PA | RTS |

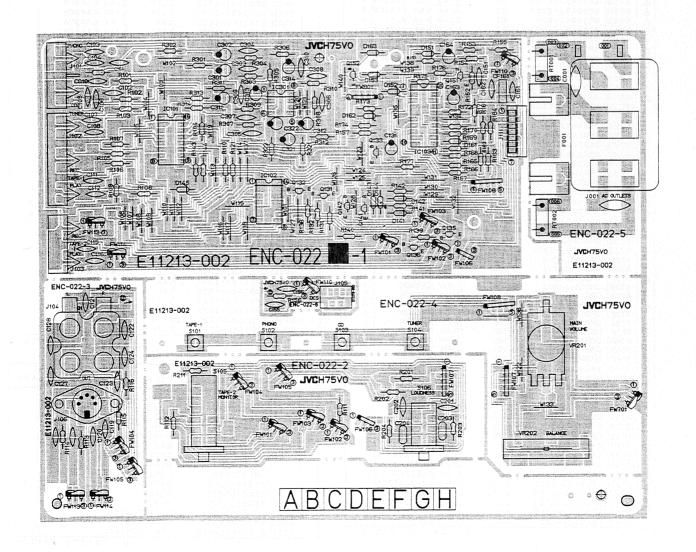
| | OTF | IER: | 3 | | | | | | | | | | | | | | |
|---|----------------------|-----------------------------------|--|-------|---|---------|---------|-----------|-----|-----|----|----|----|---|-------|-----|----|
| Δ | ITEM | PART | NUMI | 3 E R | D | Ε | s | С | R | I | P | Т | i | 0 | N | A R | ΕA |
| | | E3002 E3040 E3375 | 2-002 09-018 92-001 4-005 2-002 | | CIR HEA LED TIE H.S | T H | S | INI DE | R | | | | | | | | |
| | | E6729 E70845 E7094 SBSB3 | 3-002 | | BRA SPE HEA SCR SCR | CI T | A L | . 5 | | REV | , | | | | | | |
| | J701 J702 J703 | SBSE3 EMV71 QMS63 | 012CC 012CC 12-003 02-128 2-007E | | S C R S C R S O C J A C S P K | E W | T AS | SSY | N A | L | ٠ | | | | | | |
| | | | | | | | | Δ | : | S | ΛF | E, | ΓΥ | F | ? A ! | RTS | , |

| OTH | IERS | |
|------------------------------|---|---|
| ↑ ITEM | PART NUMBE | ER DESCRIPTION ARE |
| J704 J801 J802 J804 | EMV7112-004 EMV7112-003 EMV7112-003 | SPK.TERMINAL SOCKET WIRE SOCKET WIRE SOCKET WIRE INDUCTOR |
| L702 S701 S702 | EQL0001-1R0 QST4231-E01 QST4231-E01 E70859-001 E67764-103 | INDUCTOR PUSH SWITCH PUSH SWITCH EARTH PLATE TERMINAL RELAY |

■ ENC-022 □ Pre-Amplifier P.C. Board Ass'y

Note: ENC-022
Varies according to the areas employed. See note (1) when placing on order. Note (1)

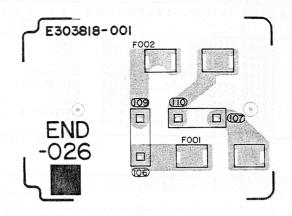
| P.C. Board Ass'y | Designated Areas |
|------------------|---------------------|
| ENC-022 A | Canada |
| ENC-022 F | U.S.A |
| ENC-022 G | U.S.Military Market |



| 1 | | NSITORS | DESCE | IPTION | AREA | | | ISTORS | D E C C | | 7 1 A N | ADE |
|----------|--|--|--|--|--|-----|--|---|---|--|--|------|
| | TEM | PART NUMBER | שטכשען | MAKER | | | TEM | PART NUMBER | | | PTION | AKE |
| L | | | | MAKEK | | | | | 1 | | CARBON | |
| Γ | Q131 | DTA114YN | | конм | 1 1 | | | | | | CARBON Carbon | |
| | | | | ROHM | | 1 1 | | 4.10 2.10 2.10 2.1 | 1 | | CARBON | 1 |
| | | | | ROHM Matsushita | | | | 4 | | | CARBON | |
| - 1 | | | | MATSUSHITA | 1 | | | QRD148J-102S | | | CARBON | |
| | | | | ROHM | | 1 1 | R107 | | | | CARBON | 1 |
| | | | | ROHM | | | R108 | | | | CARBON | 1 |
| | Q151 | 2SC1685(R,S) | | MATSUSHITA | | | R109 | | 1 | | CARBON CARBON | 1 |
| | Q152 | 2SC1740LN(R,S) | SILICON | ROHM | | | R110 R111 | QRD148J-102S QRD148J-102S | 1 K | | CARBON | |
| 1 | | | | SAFETY PAR | 775 | | R111 | QRD148J-102S | | | CARBON | |
| | | | Δ.: | SAPETI PAI | (15 | | R115 | QRD148J-102S | | | CARBON | |
| | | | | | | | R116 | QRD148J-102S | 1 K | | CARBON | |
| | 1. C | :. S | | | | | R121 | QRD148J-681S | 680 | | CARBON | |
| _ | ! Y | | T | | | 1 | R131 | | 100K | | CARBON | |
| 7 1 | TEM | PART NUMBER | DESCR | IPTION | AREA | | R132 | | 2.2K 2.2K | | CARBON CARBON | 1 |
| | l l | | | MAKER | | | R136 | | 100K | | CARBON | |
| + | | | | T00UT04 | | | R140 | | 100K | | CARBON | |
| - 1 | C101 | TC4052BP | I - C - | TOSHIBA | | | R141 | QRD148J-223S | 22K | 1/4W | CARBON | · [|
| | C102 | TC4066BP | I.C. | MITSUBISHI | 1 | | R142 | QRD148J-223\$ | 22K | | CARBON | 1 |
| - 17 | C103 | M50761-304P NJM4558D-D | I.C. | JRC | | | R143 | | 22K | 1- | CARBON | |
| ľ | C301 | | [| | | | R144 | QRD148J-223S | 22K | | CARBON | |
| | | | A : | SAFETY PA | RTS | | R151 | | 1 K | | CARBON | |
| | | | ~ | | | | R152 | | 47K 47K | | CARBON | |
| | n . ~ | DES | | | | - | R153 | QRD148J-4735 | 10K | | CARBON | 1 |
| | <u>νις</u> | DES | T | | 1 | İ | R155 | | 1K | | CARBON | |
| 2 | ITEM | PART NUMBER | DESCR | IPTION | AREA | - 1 | R156 | | 10 | | CARBON | |
| | 1 | | 1 | MAKER | | | R157 | QRD148J-1245 | 120K | 1 | CARBON | |
| _ | | | | | | 1 | R161 | | 10K | | CARBON | 1 |
| | D141 | | SILICON | ROHM | | l | R162 | | 10K | | CARBON CARBON | |
| | | 182473 | SILICON | ROHM | | 1 | R163 | | 10K 10K | | CARBON | |
| | | 152473 | SILICON | ROHM ROHM | 1 1 | | R164 | *************************************** | 10K | 1/4W | CARBON | |
| | D144 | | ZENER | NEC | | | R166 | | 10K | F | CARBON | ı |
| | D145 | *************** | SILICON | ROHM | | | R167 | | 10K | 1/4W | CARBON | 1 |
| | | RD5.6EB3 | ZENER | NEC | | | R168 | QRD148J-103S | 10K | | CARBON | ł |
| | | 152473 | SILICON | аонм | | | R169 | | 47K | | CARBON | |
| | | 1\$2473 | SILICON | ROHM | 1 1 | | 1 | QRD148J-332S | 3.3K | 1/4W | CARBON | i |
| | | RD5.6EB3 | ZENER | NEC ROHM | | | R171 | | 1M 10K | | CARBON | |
| | 0163 | 182473 | SILICON | NOA! | | - 1 | R172 | | 10K | 1/4W | CARBON | |
| | | | | | | 1 | R174 | 1 | 470 | 1/4W | CARBON | 1 |
| | İ | | | i I | 1 | | R175 | ******************************* | 10K | 1/4W | CARBON | |
| | : | | | İ | i 1 | | | | | | | |
| | | | | | ! | 1 | R176 | | 10K | 1/4W | CARBON | - 1 |
| | | L | Δ: | SAFETY PA | RTS | | R176 | QRD148J-103S | 10K 560 | 1/4W | CARBON | |
| | 1 | 1 | Δ: | SAFETY PA | RTS | | R177 R201 | QRD148J-103S QRD148J-561S QRD148J-472S | 10K 560 4.7K | 1/4W | CARBON CARBON | |
| | C A I | DACITOPS | Δ: | SAFETY PA | RTS | | R177 R201 R202 | QRD148J-103S QRD148J-561S QRD148J-472S QRD148J-472S | 10K 560 4.7K 4.7K | 1/4W 1/4W 1/4W | CARBON CARBON CARBON | |
| | CAI | PACITORS | Δ: | SAFETY PA | RTS | | R177 R201 R202 R203 | QRD148J-103S QRD148J-561S QRD148J-472S QRD148J-472S QRD148J-223S | 10K 560 4.7K 4.7K 22K | 1/4W 1/4W 1/4W | CARBON CARBON CARBON CARBON | |
| A | | | | | | | R177 R201 R202 R203 R204 | QRD148J-103S QRD148J-561S QRD148J-472S QRD148J-472S QRD148J-223S QRD148J-223S | 10K 560 4.7K 4.7K 22K 22K | 1/4W 1/4W 1/4W 1/4W 1/4W | CARBON CARBON CARBON CARBON CARBON | |
| Δ | CAI | | R DESCR | PTION | AREA | | R177 R201 R202 R203 R204 R211 | QRD148J-103S QRD148J-561S QRD148J-472S QRD148J-472S QRD148J-223S QRD148J-223S QRD148J-470S | 10K 560 4.7K 4.7K 22K | 1/4W 1/4W 1/4W 1/4W 1/4W | CARBON CARBON CARBON CARBON | |
| | I TEM | PART NUMBER | DESCR | PTION | AREA | | R177 R201 R202 R203 R204 | QRD148J-103S QRD148J-561S QRD148J-472S QRD148J-472S QRD148J-223S QRD148J-223S QRD148J-470S QRD148J-105S | 10K 560 4.7K 4.7K 22K 22K 47 | 1/4W 1/4W 1/4W 1/4W 1/4W 1/4W | CARBON CARBON CARBON CARBON CARBON CARBON CARBON CARBON | |
| <u>A</u> | 1 T E M | PART NUMBER QCZ9038-103 QCZ9038-103 | D E S C R | PTION CERAMIC | AREA | | R177 R201 R202 R203 R204 R211 R213 R214 R301 | QRD148J-103S QRD148J-561S QRD148J-472S QRD148J-472S QRD148J-223S QRD148J-223S QRD148J-470S QRD148J-105S QRD148J-105S QRD148J-105S | 10K 560 4.7K 4.7K 22K 22K 47 1M 1M 2.2K | 1/4W 1/4W 1/4W 1/4W 1/4W 1/4W 1/4W 1/4W | CARBON CARBON CARBON CARBON CARBON CARBON CARBON CARBON CARBON CARBON | |
| Δ | C001 C001 C010 | PART NUMBER QCZ9038-103 QCZ9038-103 QCF21HP-223 | DESCR 0.01MF 12 0.01MF 12 0.02MF 50 | E I P T I O N SV CERAMIC SV CERAMIC OV CERAMIC | AREA | | R177 R201 R202 R203 R204 R211 R213 R214 R301 | QRD148J-103S QRD148J-561S QRD148J-472S QRD148J-472S QRD148J-223S QRD148J-223S QRD148J-470S QRD148J-105S | 10K 560 4.7K 4.7K 22K 22K 47 1M 1M 2.2K 2.2K | 1/4W 1/4W 1/4W 1/4W 1/4W 1/4W 1/4W 1/4W | CARBON CARBON CARBON CARBON CARBON CARBON CARBON CARBON CARBON CARBON CARBON CARBON | |
| Δ | C001 C001 C010 C101 | PART NUMBER QCZ9038-103 QCZ9038-103 QCF21HP-223 QCF21HP-223 | O.01MF 12 0.01MF 12 0.02MF 50 0.022MF 50 | E I P T I O N SV CERAMIC CERAMIC OV CERAMIC OV CERAMIC | AREA | | R177 R201 R202 R203 R204 R211 R213 R214 R301 R302 | QRD148J-103S QRD148J-561S QRD148J-472S QRD148J-223S QRD148J-223S QRD148J-223S QRD148J-470S QRD148J-105S QRD148J-105S QRD148J-222S QRD148J-222S QRD148J-222S | 10K 560 4.7K 4.7K 22K 22K 47 1M 1M 2.2K 2.2K | 1/4W 1/4W 1/4W 1/4W 1/4W 1/4W 1/4W 1/4W | CARBON CARBON CARBON CARBON CARBON CARBON CARBON CARBON CARBON CARBON CARBON | |
| Δ | C001 C001 C010 C101 C102 | PART NUMBER QC29038-103 QC29038-103 QCF21HP-223 QCF21HP-223 QCF21HP-103 | DESCR 0.01MF 12 0.01MF 12 0.022MF 50 0.022MF 50 0.01MF 50 | E I P T I O N SV CERAMIC CERAMIC CERAMIC V CERAMIC CV CERAMIC | AREA | | R177 R201 R202 R203 R204 R211 R213 R214 R301 R302 R303 R304 | QRD148J-103S QRD148J-561S QRD148J-472S QRD148J-223S QRD148J-223S QRD148J-223S QRD148J-105S QRD148J-105S QRD148J-105S QRD148J-222S QRD148J-222S QRD148J-473S QRD148J-473S | 10K 560 4.7K 22K 22K 47 1M 1M 2.2K 2.2K 47 47K | 1/4W 1/4W 1/4W 1/4W 1/4W 1/4W 1/4W 1/4W | CARBON CARBON CARBON CARBON CARBON CARBON CARBON CARBON CARBON CARBON CARBON CARBON CARBON | |
| Δ | CO01 CO01 CO10 C101 C102 | PART NUMBER QC29038-103 QC29038-103 QCF21HP-223 QCF21HP-223 QCF21HP-103 | O.01MF 12 0.01MF 12 0.02MF 50 0.022MF 50 | ELPTION EV CERAMIC EV CERAMIC V CERAMIC V CERAMIC V CERAMIC V CERAMIC V CERAMIC | A R E A | | R177 R201 R202 R203 R204 R211 R213 R214 R301 R302 R303 R304 R305 | QRD148J-103S QRD148J-561S QRD148J-472S QRD148J-472S QRD148J-223S QRD148J-223S QRD148J-470S QRD148J-105S QRD148J-105S QRD148J-105S QRD148J-222S QRD148J-222S QRD148J-273S QRD148J-473S QRD148J-751S | 10K 560 4.7K 22K 22K 47 1M 1M 2.2K 2.2K 47K 750 | 1/4W 1/4W 1/4W 1/4W 1/4W 1/4W 1/4W 1/4W | CARBON CARBON CARBON CARBON CARBON CARBON CARBON CARBON CARBON CARBON CARBON CARBON CARBON CARBON CARBON CARBON | |
| Δ | C001 C001 C010 C101 C102 C103 C104 | PART NUMBER QC29038-103 QC29038-103 QCF21HP-223 QCF21HP-223 QCF21HP-103 | 0.01MF 12 0.01MF 12 0.022MF 50 0.022MF 50 0.022MF 50 0.01MF 50 100PF 50 100PF 50 | E I P T I O N SV CERAMIC SV CERAMIC V CERAMIC V CERAMIC V CERAMIC V CERAMIC V CERAMIC V CERAMIC V CERAMIC V CERAMIC | A R E A | | R177 R201 R202 R203 R204 R211 R213 R214 R302 R303 R303 R303 R306 | QRD148J-103S QRD148J-561S QRD148J-472S QRD148J-472S QRD148J-223S QRD148J-223S QRD148J-470S QRD148J-105S QRD148J-105S QRD148J-222S QRD148J-222S QRD148J-273S QRD148J-473S QRD148J-7751S QRD148J-751S | 10K 560 4.7K 4.7K 22K 22K 1M 1M 2.2K 47K 47K 750 | 1/4W 1/4W 1/4W 1/4W 1/4W 1/4W 1/4W 1/4W | CARBON | |
| Δ | CO01 CO01 CO10 C101 C102 C103 C104 C131 C151 | PART NUMBER QC29038-103 QC29038-103 QCF21HP-223 QCF21HP-103 QCS21HJ-101 QCS21HJ-101 QCTB1EM-106 QFN81HK-103 | 0.01MF 12 0.01MF 12 0.022MF 50 0.022MF 50 0.01MF 50 100PF 50 100PF 50 10MF 50 0.01MF 50 | STATE OF THE POST | A R E A | | R177 R201 R202 R203 R204 R211 R213 R214 R301 R302 R303 R304 R305 R307 | QRD148J-103S QRD148J-561S QRD148J-472S QRD148J-223S QRD148J-223S QRD148J-223S QRD148J-105S QRD148J-105S QRD148J-222S QRD148J-222S QRD148J-222S QRD148J-473S QRD148J-473S QRD148J-751S QRD148J-751S QRD148J-751S QRD148J-751S | 10K 569 4.7K 4.7K 22K 22K 1M 1M 2.2K 2.2K 47K 47K 750 39K | 1/4W 1/4W 1/4W 1/4W 1/4W 1/4W 1/4W 1/4W | CARBON CARBON CARBON CARBON CARBON CARBON CARBON CARBON CARBON CARBON CARBON CARBON CARBON CARBON CARBON CARBON | |
| Δ | CO01 C001 C101 C102 C103 C104 C131 C151 | PART NUMBER QC29038-103 QC29038-103 QCF21HP-223 QCF21HP-103 QCF21HV-101 QCS21HV-101 QCS21HV-101 QETB1EM-106 QFN81HK-103 QCF21HP-473 | 0.01MF 12 0.01MF 12 0.022MF 50 0.022MF 50 0.01MF 50 100PF 50 100PF 50 0.01MF 50 0.01MF 50 | CERAMIC V CERAMIC V CERAMIC V CERAMIC V CERAMIC V CERAMIC V CERAMIC V CERAMIC V CERAMIC V CERAMIC V CERAMIC V CERAMIC V CERAMIC V CERAMIC V CERAMIC | A R E A | | R177 R201 R202 R203 R204 R211 R213 R214 R301 R302 R303 R304 R305 R307 R307 | QRD148J-103S QRD148J-541S QRD148J-472S QRD148J-472S QRD148J-223S QRD148J-223S QRD148J-470S QRD148J-105S QRD148J-105S QRD148J-105S QRD148J-222S QRD148J-222S QRD148J-751S QRD148J-751S QRD148J-751S QRD148J-393S | 10K 560 4.7K 4.7K 22K 22K 1M 1M 2.2K 47K 47K 750 | 1/4W 1/4W 1/4W 1/4W 1/4W 1/4W 1/4W 1/4W | CARBON | |
| Δ | CO01 CO01 CO10 C101 C102 C103 C104 C131 C155 C156 | PART NUMBER QC29038-103 QC79038-103 QCF21HP-223 QCF21HP-223 QCF21HP-103 QCS21HJ-101 QCS21HJ-101 QETB1EM-106 QFN81HK-103 QCF21HP-473 | 0.01MF 12 0.01MF 12 0.012MF 50 0.022MF 50 0.01MF 50 100PF 50 10MF 25 0.01MF 50 0.047MF 50 100PF 50 | STANDARD OF THE PORT OF THE PO | A R E A | | R177 R201 R202 R203 R204 R211 R213 R214 R301 R303 R304 R305 R306 R307 | QRD148J-103S QRD148J-561S QRD148J-472S QRD148J-223S QRD148J-223S QRD148J-223S QRD148J-105S QRD148J-105S QRD148J-222S QRD148J-222S QRD148J-222S QRD148J-473S QRD148J-473S QRD148J-751S QRD148J-751S QRD148J-751S QRD148J-751S | 10K 560 4.7K 22K 27K 1M 1M 2.2K 47K 750 750 750 750 | 1/4W 1/4W 1/4W 1/4W 1/4W 1/4W 1/4W 1/4W | CARBON | |
| Δ | CO01 C001 C101 C102 C103 C104 C131 C151 C156 C166 | PART NUMBER QC29038-103 QC29038-103 QCF21HP-223 QCF21HP-223 QCF21HP-103 QCS21HJ-101 QCS21HJ-101 QCS21HJ-101 QFN81HK-103 QCF21HP-473 QCS21HJ-101 QCS21HJ-101 | 0.01MF 12 0.01MF 12 0.022MF 50 0.022MF 50 0.022MF 50 100PF 50 100PF 50 10MF 25 0.01MF 50 0.047MF 50 100PF 50 | SELPTION STOCKERAMIC CERAMIC V CERAMIC V CERAMIC V CERAMIC V CERAMIC V CERAMIC V CERAMIC V CERAMIC V CERAMIC V CERAMIC V CERAMIC V CERAMIC V CERAMIC V CERAMIC V CERAMIC V CERAMIC V CERAMIC V CERAMIC | A R E A | | R177 R201 R202 R203 R204 R211 R213 R301 R302 R303 R304 R305 R305 R306 R307 R308 | QRD148J-103S QRD148J-561S QRD148J-472S QRD148J-223S QRD148J-223S QRD148J-223S QRD148J-105S QRD148J-105S QRD148J-222S QRD148J-222S QRD148J-222S QRD148J-275S QRD148J-473S QRD148J-473S QRD148J-751S QRD148J-751S QRD148J-393S QRD148J-393S QRD148J-393S QRD148J-474S QRD148J-474S QRD148J-474S QRD148J-104S | 10K 569K 4.7K 22K 22K 1M 1M 2.2K 47K 750 759K 470K 100K | 1/4W 1/4W 1/4W 1/4W 1/4W 1/4W 1/4W 1/4W | CARBON | |
| Δ | CO01 C001 C010 C101 C102 C103 C104 C131 C151 C156 C156 | PART NUMBER QC29038-103 QC29038-103 QC721HP-223 QCF21HP-223 QCF21HP-103 GCS21HJ-101 QCS21HJ-101 QFN81HX-103 QCF21HP-473 GCS21HJ-101 QCS21HJ-151 QCS21HJ-151 | O.01MF 12 O.01MF 12 O.022MF 50 O.022MF 50 O.022MF 50 O.01MF 50 100PF 50 100PF 50 0.01MF 50 100PF 50 100PF 50 100PF 50 150PF 50 | CERAMIC CERAMIC V CERAMIC V CERAMIC V CERAMIC V CERAMIC V CERAMIC V CERAMIC V CERAMIC V CERAMIC V CERAMIC V CERAMIC V CERAMIC V CERAMIC V CERAMIC V CERAMIC V CERAMIC V CERAMIC | A R E A | | R177 R201 R202 R203 R204 R211 R213 R302 R304 R305 R306 R307 R306 R307 R308 | QRD148J-103S QRD148J-541S QRD148J-472S QRD148J-472S QRD148J-223S QRD148J-223S QRD148J-105S QRD148J-105S QRD148J-105S QRD148J-222S QRD148J-222S QRD148J-222S QRD148J-751S QRD148J-751S QRD148J-751S QRD148J-751S QRD148J-393S QRD148J-393S QRD148J-474S QRD148J-474S QRD148J-474S QRD148J-474S QRD148J-474S | 10K 5607K 4.7K 22K 27 1M 1M 2.2K 47K 47K 4750 39K 470K 470K 470K 470K 470K | 1/4W 1/4W 1/4W 1/4W 1/4W 1/4W 1/4W 1/4W | CARBON | |
| Δ | CO01 C001 C101 C102 C103 C103 C103 C155 C156 C166 C166 | PART NUMBER QC29038-103 QC29038-103 QCF21HP-223 QCF21HP-103 QCS21HJ-101 QCS21HJ-101 QCS21HJ-101 QCS21HJ-103 QCF21HP-473 QCF21HP-473 QCS21HJ-151 QCS21HJ-151 QCS21HJ-151 | O.01MF 12 O.01MF 12 O.022MF 50 O.022MF 50 O.01MF 50 100PF 50 | SELPTION STOCKERAMIC CERAMIC V CERAMIC V CERAMIC V CERAMIC V CERAMIC V CERAMIC V CERAMIC V CERAMIC V CERAMIC V CERAMIC V CERAMIC V CERAMIC V CERAMIC V CERAMIC V CERAMIC V CERAMIC V CERAMIC V CERAMIC | A R E A | | R177 R201 R2003 R204 R211 R213 R301 R302 R303 R304 R306 R306 R306 R307 R308 R310 R311 R311 R311 | QRD148J-103S QRD148J-561S QRD148J-472S QRD148J-223S QRD148J-223S QRD148J-223S QRD148J-470S QRD148J-105S QRD148J-105S QRD148J-222S QRD148J-222S QRD148J-222S QRD148J-773S QRD148J-773S QRD148J-7751S QRD148J-7751S QRD148J-7751S QRD148J-7751S QRD148J-7751S QRD148J-7751S QRD148J-7751S QRD148J-7751S QRD148J-7751S QRD148J-7751S QRD148J-7751S QRD148J-104S QRD148J-474S QRD148J-104S QRD148J-104S | 10K 560 4.7K 4.7K 22K 22K 1M 1M 2.2K 47K 750 750 39K 470K 470K 100K 100K | 1/4W 1/4W 1/4W 1/4W 1/4W 1/4W 1/4W 1/4W | CARBON | |
| Δ | CO01 C001 C101 C102 C103 C103 C103 C105 C156 C161 C162 C164 | PART NUMBER QC29038-103 QC79038-103 QCF21HP-223 QCF21HP-223 QCF21HP-103 QCS21HJ-101 QETB1EM-106 QFN81HK-103 QCF21HP-473 QCS21HJ-151 QCS21HJ-151 QCS21HJ-151 QCS21HJ-151 QCS21HJ-151 QCS21HJ-151 QCS21HJ-151 QCFB1EM-106 QETB1AM-107 | 0.01MF 12 0.01MF 12 0.022MF 50 0.022MF 50 0.01MF 50 100PF 50 100PF 50 0.01MF 50 0.047MF 50 0.047MF 50 100PF 50 150PF 50 150PF 50 10MF 25 | ELPTION SV CERAMIC CV CERAMIC | A R E A | | R177 R201 R202 R203 R204 R211 R213 R214 R301 R302 R305 R306 R306 R307 R311 R312 R312 | QRD148J-103S QRD148J-561S QRD148J-472S QRD148J-223S QRD148J-223S QRD148J-223S QRD148J-470S QRD148J-470S QRD148J-470S QRD148J-222S QRD148J-222S QRD148J-222S QRD148J-222S QRD148J-751S QRD148J-751S QRD148J-751S QRD148J-751S QRD148J-751S QRD148J-751S QRD148J-751S QRD148J-751S QRD148J-751S QRD148J-751S QRD148J-751S QRD148J-751S QRD148J-751S QRD148J-751S QRD148J-751S QRD148J-751S QRD148J-751S QRD148J-104S QRD148J-104S QRD148J-104S QRD148J-104S | 10K 560 4.7K 4.7K 22K 22K 1M 1M 2.2K 47K 750 39K 470K 100K 100K 100K | 1/4W 1/4W 1/4W 1/4W 1/4W 1/4W 1/4W 1/4W | CARBON | |
| Δ | TEM CO01 C010 C101 C102 C103 C104 C131 C155 C166 C167 C | PART NUMBER QC29038-103 QC29038-103 QCF21HP-223 QCF21HP-103 QCS21HJ-101 QCS21HJ-101 QCS21HJ-101 QCS21HJ-103 QCF21HP-473 QCF21HP-473 QCS21HJ-151 QCS21HJ-151 QCS21HJ-151 | O.01MF 12 O.022MF 50 O.022MF 50 O.022MF 50 O.022MF 50 O.01MF 50 100PF 50 100PF 50 100PF 50 150PF 50 150PF 50 150PF 50 150PF 50 180PF 50 180PF 50 | CERAMIC CERAMIC CERAMIC CERAMIC CERAMIC CERAMIC CERAMIC CERAMIC CERAMIC CERAMIC CERAMIC CERAMIC CERAMIC CERAMIC CERAMIC CERAMIC CERAMIC COV CERAMIC COV CERAMIC COV CERAMIC COV CERAMIC COV CERAMIC COV CERAMIC COV CERAMIC COV CERAMIC COV CERAMIC COV CERAMIC COV CERAMIC COV CERAMIC COV | A R E A | | R177 R201 R202 R203 R204 R211 R213 R301 R302 R304 R306 R306 R306 R306 R310 R312 R312 R313 R314 | QRD148J-103S QRD148J-541S QRD148J-472S QRD148J-472S QRD148J-223S QRD148J-223S QRD148J-105S QRD148J-105S QRD148J-105S QRD148J-222S QRD148J-222S QRD148J-222S QRD148J-751S QRD148J-751S QRD148J-751S QRD148J-751S QRD148J-751S QRD148J-751S QRD148J-751S QRD148J-751S QRD148J-751S QRD148J-751S QRD148J-751S QRD148J-751S QRD148J-751S QRD148J-474S QRD148J-474S QRD148J-474S QRD148J-474S QRD148J-104S QRD148J-104S QRD148J-471S QRD148J-471S QRD148J-471S | 10K 5607 4.7K 2.7K 2.2K 2.7 1M 1M 2.2K 4.7K 4.750 7.50 3.9K 4.70K 4.70K 1.00K | 1/4W 1/4W 1/4W 1/4W 1/4W 1/4W 1/4W 1/4W | CARBON | |
| Δ | TEM CO01 C010 C102 C103 C104 C131 C155 C156 C164 C201 C202 | PART NUMBER QC29038-103 QC79038-103 QC79038-103 QCF21HP-223 QCF21HP-223 QCF21HP-103 QCS21HJ-101 QCS21HJ-101 QCS21HJ-101 QCS21HJ-101 QCS21HJ-151 QCS21HJ-151 QCS21HJ-151 QCS21HJ-151 QCTB1EM-106 QETB1EM-106 QETB1EM-106 QETB1AM-107 QCS21HJ-181 QCS21HJ-181 | 0.01MF 12 0.01MF 12 0.022MF 50 0.022MF 50 0.022MF 50 0.01MF 50 100PF 50 100 | STANDARD CERAMIC STANDARD CERAMIC CERAMIC CERAMIC CERAMIC CERAMIC CERAMIC CERAMIC CERAMIC CERAMIC COV CERAMIC COV CERAMIC COV CERAMIC COV CERAMIC COV CERAMIC COV CERAMIC COV CERAMIC COV CERAMIC COV CERAMIC COV CERAMIC COV CERAMIC COV CERAMIC COV MYLAR | AREA | | R177 R201 R202 R203 R204 R211 R213 R214 R301 R302 R307 R308 R307 R308 R311 R311 R311 R311 R312 R311 R312 R312 | QRD148J-103S QRD148J-561S QRD148J-472S QRD148J-472S QRD148J-223S QRD148J-223S QRD148J-470S QRD148J-105S QRD148J-105S QRD148J-222S QRD148J-222S QRD148J-222S QRD148J-751S QRD148J-751S QRD148J-751S QRD148J-393S QRD148J-393S QRD148J-393S QRD148J-474S QRD148J-474S QRD148J-104S QRD148J-104S QRD148J-104S QRD148J-471S QRD148J-471S QRD148J-471S QRD148J-471S QRD148J-152S QRD148J-152S | 10K 560 4.7K 4.7K 22K 22K 1M 1M 2.2K 47K 750 39K 470K 100K 100K 100K | 1/4W 1/4W 1/4W 1/4W 1/4W 1/4W 1/4W 1/4W | CARBON | 3. |
| Δ | 1 TEM C001 C001 C102 C103 C104 C131 C151 C152 C164 C207 C202 C203 | PART NUMBER QC29038-103 QC29038-103 QCF21HP-223 QCF21HP-223 QCF21HP-103 QCS21HJ-101 QCS21HJ-101 QCS21HJ-101 QCS21HJ-101 QCS21HJ-151 QCS21HJ-151 QCS21HJ-151 QCS21HJ-151 QCS21HJ-151 QCS21HJ-151 QCS21HJ-151 QCS21HJ-181 QCS21HJ-181 QCS21HJ-181 QCS21HJ-181 QCS21HJ-181 QCS21HJ-181 QCS21HJ-181 QCS21HJ-181 QCS21HJ-181 QCS21HJ-181 QCS21HJ-181 QCS21HJ-181 | O.01MF 12 O.01MF 12 O.022MF 50 O.022MF 50 O.022MF 50 O.01MF 50 100PF 50 100PF 50 100PF 50 100PF 50 100PF 50 150PF 50 150PF 50 150PF 50 150PF 50 150PF 50 150PF 50 0.033MF 50 O.033MF 50 | SELPTION SELPTION SELPTION CERAMIC COV C | AREA | | R177 R201 R202 R203 R204 R211 R213 R214 R301 R302 R303 R304 R305 R307 R307 R311 R311 R312 R311 R312 R312 R312 R312 | QRD148J-103S QRD148J-541S QRD148J-472S QRD148J-472S QRD148J-223S QRD148J-223S QRD148J-105S QRD148J-105S QRD148J-105S QRD148J-222S QRD148J-222S QRD148J-222S QRD148J-751S QRD148J-751S QRD148J-751S QRD148J-751S QRD148J-751S QRD148J-751S QRD148J-751S QRD148J-751S QRD148J-751S QRD148J-751S QRD148J-751S QRD148J-751S QRD148J-751S QRD148J-474S QRD148J-474S QRD148J-474S QRD148J-474S QRD148J-104S QRD148J-104S QRD148J-471S QRD148J-471S QRD148J-471S | 10K 560 4.7K 4.7K 22K 27 1M 1M 2.2K 47K 750 39K 470K 100K 100K 100K 150K | 1/4W 1/4W 1/4W 1/4W 1/4W 1/4W 1/4W 1/4W | CARBON | 3. |
| Δ | 1 TEM C001 C010 C101 C102 C103 C104 C131 C155 C156 C166 C162 C162 C203 C203 C203 | PART NUMBER QC29038-103 QC29038-103 QCF21HP-223 QCF21HP-223 QCF21HP-103 QCF21HJ-101 QCS21HJ-101 QETB1EM-106 QFN81HK-103 QCF21HJ-101 QCS21HJ-151 QCS21HJ-151 QCS21HJ-151 QCS21HJ-151 QCS21HJ-151 QCS21HJ-181 QCS21HJ-181 QCS21HJ-181 QCS21HJ-181 QCS21HJ-181 QCS21HJ-181 QCS21HJ-181 QCS21HJ-181 QCS21HJ-181 QCS21HJ-181 QCS21HJ-181 QCS21HJ-181 QCS21HJ-181 QCS21HJ-181 QCS21HJ-181 | O.01MF 12 O.022MF 50 O.022MF 50 O.022MF 50 O.022MF 50 O.01MF 50 100PF 50 100PF 50 100PF 50 100PF 50 100PF 50 150PF | CERAMIC COV CERAMIC CO | AREA | | R177 R201 R202 R203 R204 R211 R213 R214 R301 R302 R303 R304 R305 R307 R307 R311 R311 R312 R311 R312 R312 R312 R312 | QRD148J-103S QRD148J-561S QRD148J-472S QRD148J-223S QRD148J-223S QRD148J-223S QRD148J-470S QRD148J-105S QRD148J-105S QRD148J-222S QRD148J-222S QRD148J-222S QRD148J-751S QRD148J-751S QRD148J-751S QRD148J-751S QRD148J-751S QRD148J-751S QRD148J-751S QRD148J-751S QRD148J-751S QRD148J-751S QRD148J-751S QRD148J-104S QRD148J-104S QRD148J-104S QRD148J-104S QRD148J-105S QRD148J-155S QRD148J-155S QRD148J-155S QRD148J-151S | 10K 560 4.7K 4.7K 22K 47 1M 2.2K 47K 750 39K 470K 470K 100K 470K 100K 470 470 470 470 470 470 470 470 | 1/4W 1/4W 1/4W 1/4W 1/4W 1/4W 1/4W 1/4W | CARBON | 3. |
| Δ | TEM C001 C010 C101 C102 C103 C104 C131 C155 C164 C201 C202 C204 C302 C302 | PART NUMBER QC29038-103 QC29038-103 QCF21HP-223 QCF21HP-223 QCF21HP-103 QCS21HJ-101 QCS21HJ-101 QCS21HJ-101 QCS21HJ-101 QCS21HJ-151 QCS21HJ-151 QCS21HJ-151 QCS21HJ-151 QCS21HJ-151 QCS21HJ-151 QCS21HJ-181 | 0.01MF 12 0.01MF 12 0.022MF 50 0.022MF 50 0.01MF 50 100PF | ST PTION STOCK CERAMIC COV CE | AREA | | R177 R201 R202 R203 R204 R211 R213 R214 R301 R302 R303 R304 R305 R307 R307 R311 R311 R312 R311 R312 R312 R312 R312 | QRD148J-103S QRD148J-561S QRD148J-472S QRD148J-223S QRD148J-223S QRD148J-223S QRD148J-470S QRD148J-105S QRD148J-105S QRD148J-222S QRD148J-222S QRD148J-222S QRD148J-751S QRD148J-751S QRD148J-751S QRD148J-751S QRD148J-751S QRD148J-751S QRD148J-751S QRD148J-751S QRD148J-751S QRD148J-751S QRD148J-751S QRD148J-104S QRD148J-104S QRD148J-104S QRD148J-104S QRD148J-105S QRD148J-155S QRD148J-155S QRD148J-155S QRD148J-151S | 10K 560 4.7K 4.7K 22K 47 1M 2.2K 47K 750 39K 470K 470K 100K 470K 100K 470 470 470 470 470 470 470 470 | 1/4W 1/4W 1/4W 1/4W 1/4W 1/4W 1/4W 1/4W | CARBON | 3. |
| Δ | TEM CO01 C001 C102 C103 C104 C103 C104 C155 C156 C161 C162 C203 C204 C301 C302 C303 C303 | PART NUMBER QC29038-103 QC79038-103 QC79038-103 QCF21HP-223 QCF21HP-223 QCF21HP-103 QCS21HJ-101 QCS21HJ-101 QCS21HJ-101 QCS21HJ-151 QCS21HJ-151 QCS21HJ-151 QCS21HJ-151 QCS21HJ-151 QCS21HJ-151 QCS21HJ-181 QCS21HJ-181 QCS21HJ-181 QCS21HJ-181 QCS21HJ-181 QCFB1HM-475 QFN81HK-333 QFN81HK-333 QFN81HK-333 | O.01MF 12 O.01MF 12 O.022MF 50 O.022MF 50 O.022MF 50 O.01MF 50 100PF 50 100PF 50 100PF 50 100PF 50 100PF 50 100PF 50 100PF 50 100PF 50 100PF 50 100MF 10 180PF 50 100MF 10 180PF 50 180PF 50 0.033MF 50 4.7MF 50 100PF 50 | STANDARD CONTROL STANDARD CON | AREA | | R177 R201 R202 R203 R204 R211 R213 R214 R301 R302 R303 R304 R305 R307 R307 R311 R311 R312 R311 R312 R312 R312 R312 | QRD148J-103S QRD148J-561S QRD148J-472S QRD148J-223S QRD148J-223S QRD148J-223S QRD148J-470S QRD148J-105S QRD148J-105S QRD148J-222S QRD148J-222S QRD148J-222S QRD148J-751S QRD148J-751S QRD148J-751S QRD148J-751S QRD148J-751S QRD148J-751S QRD148J-751S QRD148J-751S QRD148J-751S QRD148J-751S QRD148J-751S QRD148J-104S QRD148J-104S QRD148J-104S QRD148J-104S QRD148J-105S QRD148J-155S QRD148J-155S QRD148J-155S QRD148J-151S | 10K 560 4.7K 4.7K 22K 47 1M 2.2K 47K 750 39K 470K 470K 100K 470K 100K 470 470 470 470 470 470 470 470 | 1/4W 1/4W 1/4W 1/4W 1/4W 1/4W 1/4W 1/4W | CARBON | 3. |
| Δ | 1 T E M C001 C010 C101 C102 C103 C104 C131 C155 C156 C166 C202 C203 C203 C203 C306 C306 | PART NUMBER QC29038-103 QC29038-103 QCF21HP-223 QCF21HP-223 QCF21HP-103 QCF21HJ-101 QCS21HJ-101 QCS21HJ-101 QCS21HJ-101 QCS21HJ-101 QCS21HJ-151 QCS21HJ-151 QCS21HJ-151 QCS21HJ-151 QCS21HJ-151 QCS21HJ-181 QCS21HJ-181 QCS21HJ-181 QCS21HJ-181 QCS21HJ-181 QCS21HJ-181 QCS21HJ-181 QCS21HJ-181 QCS21HJ-181 QCS21HJ-181 QCS21HJ-181 QCS21HJ-181 QCS21HJ-181 QCS21HJ-181 QCS21HJ-181 | 0.01MF 12 0.01MF 12 0.022MF 50 0.022MF 50 0.022MF 50 0.01MF 50 100PF 50 100PF 50 100PF 50 100PF 50 150 | ST PTION STOCK CERAMIC COV CE | AREA | | R177 R201 R202 R203 R204 R211 R213 R214 R301 R302 R303 R304 R305 R307 R307 R311 R311 R312 R311 R312 R312 R312 R312 | QRD148J-103S QRD148J-561S QRD148J-472S QRD148J-223S QRD148J-223S QRD148J-223S QRD148J-470S QRD148J-105S QRD148J-105S QRD148J-222S QRD148J-222S QRD148J-222S QRD148J-751S QRD148J-751S QRD148J-751S QRD148J-751S QRD148J-751S QRD148J-751S QRD148J-751S QRD148J-751S QRD148J-751S QRD148J-751S QRD148J-751S QRD148J-104S QRD148J-104S QRD148J-104S QRD148J-104S QRD148J-105S QRD148J-155S QRD148J-155S QRD148J-155S QRD148J-151S | 10K 560 4.7K 4.7K 22K 47 1M 2.2K 47K 750 39K 470K 470K 100K 470K 100K 470 470 470 470 470 470 470 470 | 1/4W 1/4W 1/4W 1/4W 1/4W 1/4W 1/4W 1/4W | CARBON | 3. |
| Δ | TEM C001 C010 C101 C102 C103 C104 C131 C155 C156 C161 C162 C202 C203 C204 C303 C303 C303 | PART NUMBER QC29038-103 QC29038-103 QC721HP-223 QCF21HP-223 QCF21HP-103 QCS21HJ-101 QCS21HJ-101 QCS21HJ-101 QCS21HJ-101 QCS21HJ-101 QCS21HJ-151 QCS21HJ-151 QCS21HJ-151 QCS21HJ-151 QCS21HJ-181 QCS21HJ-181 QCS21HJ-181 QCS21HJ-181 QCS21HJ-181 QCS21HJ-181 QCS21HJ-181 QCS21HJ-181 QCS21HJ-181 QCS21HJ-181 QCS21HJ-181 QCS21HJ-181 QCS21HJ-181 QCS21HJ-181 QCS21HJ-181 QCS21HJ-101 QCS21HJ-101 QCS21HJ-101 QCS21HJ-101 QCS21HJ-101 | 0.01MF 12 0.01MF 12 0.022MF 50 0.022MF 50 0.022MF 50 0.01MF 50 100PF 50 100PF 50 100PF 50 100PF 50 100PF 50 100MF 10 180PF 50 100MF 10 180PF 50 0.033MF 50 0.033MF 50 0.033MF 50 0.033MF 50 0.033MF 50 0.033MF 50 0.00PF 50 100PF 50 | STANDARD CONTRACTOR OF CONTRAC | AREA | | R177 R201 R202 R203 R204 R211 R213 R214 R301 R302 R303 R304 R305 R307 R307 R311 R311 R312 R311 R312 R312 R312 R312 | QRD148J-103S QRD148J-561S QRD148J-472S QRD148J-223S QRD148J-223S QRD148J-223S QRD148J-470S QRD148J-105S QRD148J-105S QRD148J-222S QRD148J-222S QRD148J-222S QRD148J-751S QRD148J-751S QRD148J-751S QRD148J-751S QRD148J-751S QRD148J-751S QRD148J-751S QRD148J-751S QRD148J-751S QRD148J-751S QRD148J-751S QRD148J-104S QRD148J-104S QRD148J-104S QRD148J-104S QRD148J-105S QRD148J-155S QRD148J-155S QRD148J-155S QRD148J-151S | 10K 560 4.7K 4.7K 22K 47 1M 2.2K 47K 750 39K 470K 470K 100K 470K 100K 470 470 470 470 470 470 470 470 | 1/4W 1/4W 1/4W 1/4W 1/4W 1/4W 1/4W 1/4W | CARBON | 3. |
| Δ | TEM C001 C001 C102 C103 C103 C104 C131 C155 C156 C161 C201 C203 C204 C303 C303 C304 C305 | PART NUMBER QC29038-103 QC79038-103 QC79038-103 QCF21HP-223 QCF21HP-223 QCF21HP-103 QCS21HJ-101 QCS21HJ-101 QCS21HJ-101 QCS21HJ-151 QCS21HJ-151 QCS21HJ-151 QCS21HJ-151 QCS21HJ-151 QCS21HJ-181 QCS21HJ-181 QCS21HJ-181 QCS21HJ-181 QCS21HJ-181 QCS21HJ-181 QCS21HJ-181 QCS21HJ-181 QCS21HJ-181 QCS21HJ-181 QCS21HJ-181 QCS21HJ-181 QCS21HJ-181 QCS21HJ-181 QCS21HJ-181 QCS21HJ-181 QCS21HJ-181 QCS21HJ-181 QCS21HJ-101 QCS21HJ-101 QCS21HJ-101 QCS21HJ-101 QCS21HJ-101 QCS21HJ-101 QCS21HJ-101 QCS21HJ-101 QCS21HJ-101 QCS21HJ-101 | 0.01MF 12 0.01MF 12 0.022MF 50 0.022MF 50 0.022MF 50 0.01MF 50 100PF 50 100PF 50 100PF 50 100PF 50 100PF 50 100MF 50 100 | CERAMIC COV CERAMIC COV CERAMI | AREA | | R177 R201 R202 R203 R204 R211 R213 R214 R301 R302 R303 R304 R305 R307 R307 R311 R311 R312 R311 R312 R312 R312 R312 | QRD148J-103S QRD148J-561S QRD148J-472S QRD148J-223S QRD148J-223S QRD148J-223S QRD148J-470S QRD148J-105S QRD148J-105S QRD148J-222S QRD148J-222S QRD148J-222S QRD148J-751S QRD148J-751S QRD148J-751S QRD148J-751S QRD148J-751S QRD148J-751S QRD148J-751S QRD148J-751S QRD148J-751S QRD148J-751S QRD148J-751S QRD148J-104S QRD148J-104S QRD148J-104S QRD148J-104S QRD148J-105S QRD148J-155S QRD148J-155S QRD148J-155S QRD148J-151S | 10K 560 4.7K 4.7K 22K 47 1M 2.2K 47K 750 39K 470K 470K 100K 470K 100K 470 470 470 470 470 470 470 470 | 1/4W 1/4W 1/4W 1/4W 1/4W 1/4W 1/4W 1/4W | CARBON | 3. |
| Δ | 1 T E M C001 C010 C101 C102 C103 C103 C104 C131 C155 C156 C161 C202 C302 C302 C302 C302 C302 C302 C303 | PART NUMBER QC29038-103 QC29038-103 QC721HP-223 QCF21HP-223 QCF21HP-103 QCS21HJ-101 QCS21HJ-101 QCS21HJ-101 QCS21HJ-101 QCS21HJ-101 QCS21HJ-151 QCS21HJ-151 QCS21HJ-151 QCS21HJ-151 QCS21HJ-181 QCS21HJ-181 QCS21HJ-181 QCS21HJ-181 QCS21HJ-181 QCS21HJ-181 QCS21HJ-181 QCS21HJ-181 QCS21HJ-181 QCS21HJ-181 QCS21HJ-181 QCS21HJ-181 QCS21HJ-181 QCS21HJ-181 QCS21HJ-181 QCS21HJ-101 QCS21HJ-101 QCS21HJ-101 QCS21HJ-101 QCS21HJ-101 | O.01MF 12 O.022MF 50 O.022MF 50 O.022MF 50 O.022MF 50 O.01MF 50 100PF 50 100PF 50 100PF 50 100PF 50 100PF 50 100PF 50 100PF 50 100MF 100 180PF 50 0.033MF 50 O.033MF 50 O.033MF 50 O.033MF 50 O.033MF 50 O.033MF 50 O.033MF 50 O.033MF 50 O.09PF 50 180PF 50 0.00PF 50 180PF 50 0.00PF 50 0.00PF 50 1800PF 50 0.00PF 50 | CERAMIC CONTRACTOR CON | AREA | | R177 R201 R202 R203 R204 R211 R213 R214 R301 R302 R303 R304 R305 R307 R307 R311 R311 R312 R311 R312 R312 R312 R312 | QRD148J-103S QRD148J-561S QRD148J-472S QRD148J-223S QRD148J-223S QRD148J-223S QRD148J-470S QRD148J-105S QRD148J-105S QRD148J-222S QRD148J-222S QRD148J-222S QRD148J-751S QRD148J-751S QRD148J-751S QRD148J-751S QRD148J-751S QRD148J-751S QRD148J-751S QRD148J-751S QRD148J-751S QRD148J-751S QRD148J-751S QRD148J-104S QRD148J-104S QRD148J-104S QRD148J-104S QRD148J-105S QRD148J-155S QRD148J-155S QRD148J-155S QRD148J-151S | 10K 560 4.7K 4.7K 22K 47 1M 2.2K 47K 750 39K 470K 470K 100K 470K 100K 470 470 470 470 470 470 470 470 | 1/4W 1/4W 1/4W 1/4W 1/4W 1/4W 1/4W 1/4W | CARBON | 3.2 |
| Δ | TEM C001 C001 C102 C103 C104 C131 C155 C156 C161 C203 C204 C307 C307 C307 C307 C307 C307 C307 C307 | QCZ9038-103 QCZ9038-103 QCZ9038-103 QCF21HP-223 QCF21HP-223 QCF21HP-103 QCS21HJ-101 QCS21HJ-101 QCS21HJ-101 QCS21HJ-101 QCS21HJ-151 QCS21HJ-151 QCS21HJ-151 QCS21HJ-151 QCS21HJ-151 QCS21HJ-151 QCS21HJ-181 QCS21HJ-181 QCS21HJ-181 QCS21HJ-181 QCS21HJ-181 QCS21HJ-181 QCS21HJ-181 QCS21HJ-181 QCS21HJ-181 QCS21HJ-181 QCS21HJ-181 QCS21HJ-181 QCS21HJ-181 QCS21HJ-181 QCS21HJ-181 QCS21HJ-181 QCS21HJ-181 QCS21HJ-101 QCS21HJ-101 QCY21HK-682 QCY21HK-682 QCY21HK-682 QCY21HK-682 | 0.01MF 12 0.01MF 12 0.022MF 50 0.022MF 50 0.022MF 50 0.01MF 50 100PF 50 100PF 50 100PF 50 100PF 50 100PF 50 100MF 10 180PF 50 0.033MF 50 0.03MF 50 0.0 | ST P T I O N ST CERAMIC CERAMIC CERAMIC CERAMIC CERAMIC CERAMIC CERAMIC CERAMIC CERAMIC CERAMIC CERAMIC CERAMIC CERAMIC CERAMIC CERAMIC CERAMIC CERAMIC CERAMIC CERAMIC COV CERAMIC CERAMIC CERAMIC COV C | AREA | | R177 R201 R202 R203 R204 R211 R213 R214 R301 R302 R303 R304 R305 R307 R307 R311 R311 R312 R311 R312 R312 R312 R312 | QRD148J-103S QRD148J-561S QRD148J-472S QRD148J-223S QRD148J-223S QRD148J-223S QRD148J-470S QRD148J-105S QRD148J-105S QRD148J-222S QRD148J-222S QRD148J-222S QRD148J-751S QRD148J-751S QRD148J-751S QRD148J-751S QRD148J-751S QRD148J-751S QRD148J-751S QRD148J-751S QRD148J-751S QRD148J-751S QRD148J-751S QRD148J-104S QRD148J-104S QRD148J-104S QRD148J-104S QRD148J-105S QRD148J-155S QRD148J-155S QRD148J-155S QRD148J-151S | 10K 560 4.7K 4.7K 22K 47 1M 2.2K 47K 750 39K 470K 100K 470K 100K 100K 150 250K | 1/4W 1/4W 1/4W 1/4W 1/4W 1/4W 1/4W 1/4W | CARBON | 32. |
| Δ | TEM C001 C001 C102 C103 C104 C131 C155 C156 C161 C203 C204 C307 C307 C307 C307 C307 C307 C307 C307 | QCZ9038-103 QCZ9038-103 QCZ9038-103 QCF21HP-223 QCF21HP-223 QCF21HP-103 QCS21HJ-101 QCS21HJ-101 QCS21HJ-101 QCS21HJ-151 QCS21HJ-151 QCS21HJ-151 QCS21HJ-151 QCS21HJ-151 QCS21HJ-151 QCS21HJ-151 QCTB1EM-106 QETB1EM-106 QETB1AM-107 QCS21HJ-181 QCS21HJ-181 QCS21HJ-181 QCS21HJ-181 QCS21HJ-181 QCS21HJ-181 QCS21HJ-181 QCS21HJ-181 QCS21HJ-181 QCS21HJ-181 QCS21HJ-101 QCS21HJ-101 QCS21HJ-101 QCS21HJ-101 QCY21HK-182 QCY21HK-682 QCY21HK-682 QCY21HK-682 QCS21HJ-101 QCS21HJ-101 | O.01MF 12 O.02MF 50 O.022MF 50 O.022MF 50 O.022MF 50 O.01MF 50 100PF 50 100PF 50 100PF 50 100PF 50 100PF 50 150PF 5 | CERAMIC OV CERAMIC | AREA | | R177 R201 R202 R203 R204 R211 R213 R214 R301 R302 R303 R304 R305 R307 R307 R311 R311 R312 R311 R312 R312 R312 R312 | QRD148J-103S QRD148J-561S QRD148J-472S QRD148J-223S QRD148J-223S QRD148J-223S QRD148J-470S QRD148J-105S QRD148J-105S QRD148J-222S QRD148J-222S QRD148J-222S QRD148J-751S QRD148J-751S QRD148J-751S QRD148J-751S QRD148J-751S QRD148J-751S QRD148J-751S QRD148J-751S QRD148J-751S QRD148J-751S QRD148J-751S QRD148J-104S QRD148J-104S QRD148J-104S QRD148J-104S QRD148J-105S QRD148J-155S QRD148J-155S QRD148J-155S QRD148J-151S | 10K 560 4.7K 4.7K 22K 47 1M 2.2K 47K 750 39K 470K 100K 470K 100K 100K 150 250K | 1/4W 1/4W 1/4W 1/4W 1/4W 1/4W 1/4W 1/4W | CARBON | 3. |
| Δ | 1 T E M C001 C010 C101 C102 C103 C104 C131 C155 C156 C164 C207 C307 C307 C307 C307 C307 C307 C307 C3 | PART NUMBER QC29038-103 QC29038-103 QC721HP-223 QCF21HP-223 QCF21HP-103 QC521HJ-101 QE521HJ-101 QE521HJ-101 QC521HJ-101 QC521HJ-151 QC521HJ-151 QC521HJ-151 QC521HJ-151 QC521HJ-151 QC521HJ-151 QC521HJ-151 QC521HJ-151 QC521HJ-151 QC521HJ-151 QC521HJ-151 QC521HJ-151 QC521HJ-151 QC521HJ-167 | O.01MF 12 O.022MF 50 O.022MF 50 O.022MF 50 O.022MF 50 O.01MF 50 100PF 50 100PF 50 100PF 50 150PF | EL PTION SOV CERAMIC | AREA | | R177 R201 R202 R203 R204 R211 R213 R214 R301 R302 R303 R304 R305 R307 R307 R311 R311 R312 R311 R312 R312 R312 R312 | QRD148J-103S QRD148J-561S QRD148J-472S QRD148J-223S QRD148J-223S QRD148J-223S QRD148J-470S QRD148J-105S QRD148J-105S QRD148J-222S QRD148J-222S QRD148J-222S QRD148J-751S QRD148J-751S QRD148J-751S QRD148J-751S QRD148J-751S QRD148J-751S QRD148J-751S QRD148J-751S QRD148J-751S QRD148J-751S QRD148J-751S QRD148J-104S QRD148J-104S QRD148J-104S QRD148J-104S QRD148J-105S QRD148J-155S QRD148J-155S QRD148J-155S QRD148J-151S | 10K 560 4.7K 4.7K 22K 47 1M 2.2K 47K 750 39K 470K 100K 470K 100K 100K 150 250K | 1/4W 1/4W 1/4W 1/4W 1/4W 1/4W 1/4W 1/4W | CARBON | 13. |
| Δ | TEM C001 C0101 C102 C103 C104 C131 C155 C156 C161 C202 C203 C303 C303 C303 C303 C303 C303 | PART NUMBER QC29038-103 QC29038-103 QC721HP-223 QCF21HP-223 QCF21HP-103 QCS21HJ-101 QCS21HJ-101 QCS21HJ-101 QCS21HJ-101 QCS21HJ-151 QCS21HJ-151 QCS21HJ-151 QCS21HJ-151 QCS21HJ-151 QCS21HJ-151 QCS21HJ-151 QCS21HJ-181 QCS21HJ-181 QCS21HJ-181 QCS21HJ-181 QCS21HJ-181 QCS21HJ-181 QCS21HJ-181 QCS21HJ-181 QCS21HJ-181 QCS21HJ-181 QCS21HJ-181 QCS21HJ-181 QCS21HJ-181 QCS21HJ-181 QCS21HJ-101 | 0.01MF 12 0.01MF 12 0.022MF 50 0.022MF 50 0.022MF 50 0.01MF 50 100PF 50 100PF 50 100PF 50 100PF 50 100PF 50 100MF 10 100PF 50 100MF 10 180PF 50 100MF 10 180PF 50 100 | ST P T I O N ST CERAMIC CERAMIC CERAMIC CERAMIC CERAMIC CERAMIC CERAMIC CERAMIC CERAMIC CERAMIC COV CERAMIC CERAMIC COV CERAMIC CERAMIC COV | AREA | | R177 R201 R202 R203 R204 R211 R213 R214 R301 R302 R303 R304 R305 R307 R307 R311 R311 R312 R311 R312 R312 R312 R312 | QRD148J-103S QRD148J-561S QRD148J-472S QRD148J-223S QRD148J-223S QRD148J-223S QRD148J-470S QRD148J-105S QRD148J-105S QRD148J-222S QRD148J-222S QRD148J-222S QRD148J-751S QRD148J-751S QRD148J-751S QRD148J-751S QRD148J-751S QRD148J-751S QRD148J-751S QRD148J-751S QRD148J-751S QRD148J-751S QRD148J-751S QRD148J-104S QRD148J-104S QRD148J-104S QRD148J-104S QRD148J-105S QRD148J-155S QRD148J-155S QRD148J-155S QRD148J-151S | 10K 560 4.7K 4.7K 22K 47 1M 2.2K 47K 750 39K 470K 100K 470K 100K 100K 150 250K | 1/4W 1/4W 1/4W 1/4W 1/4W 1/4W 1/4W 1/4W | CARBON | 3. |
| Δ | TEM C001 C001 C102 C103 C104 C131 C155 C156 C161 C203 C303 C303 C303 C303 C303 C303 C303 | PART NUMBER QC29038-103 QC29038-103 QC721HP-223 QCF21HP-223 QCF21HP-223 QCF21HP-103 QCS21HJ-101 QCS21HJ-101 QCS21HJ-101 QCS21HJ-151 QCS21HJ-151 QCS21HJ-151 QCS21HJ-151 QCS21HJ-151 QCS21HJ-151 QCS21HJ-151 QCS21HJ-181 QCS21HJ-181 QCS21HJ-181 QCS21HJ-181 QCS21HJ-181 QCS21HJ-181 QCS21HJ-181 QCS21HJ-181 QCS21HJ-181 QCS21HJ-181 QCS21HJ-181 QCS21HJ-181 QCS21HJ-101 QCS21HJ-101 QCY21HK-682 QCY21HK-682 QCY21HK-682 QCS21HJ-101 QCS21HJ-101 QCS21HJ-101 QCY21HK-682 QCS21HJ-101 QCS21HJ-101 QCS21HJ-101 QCS21HJ-101 QCS21HJ-101 QCS21HJ-101 QCS21HJ-101 QCS21HJ-101 QCS21HJ-101 QCS21HJ-101 QCS21HJ-101 QCS21HJ-101 QCS21HJ-101 QCS21HJ-101 QCS21HJ-101 QCS21HJ-101 | DESCR 0.01MF 12 0.02MF 50 0.02MF 50 0.02MF 50 0.02MF 50 100PF 50 100PF 50 100PF 50 150PF 50 | CERAMIC OV CERAMIC | AREA | | R177 R201 R202 R203 R204 R211 R213 R214 R301 R302 R303 R304 R305 R307 R307 R311 R311 R312 R311 R312 R312 R312 R312 | QRD148J-103S QRD148J-561S QRD148J-472S QRD148J-223S QRD148J-223S QRD148J-223S QRD148J-470S QRD148J-105S QRD148J-105S QRD148J-222S QRD148J-222S QRD148J-222S QRD148J-751S QRD148J-751S QRD148J-751S QRD148J-751S QRD148J-751S QRD148J-751S QRD148J-751S QRD148J-751S QRD148J-751S QRD148J-751S QRD148J-751S QRD148J-104S QRD148J-104S QRD148J-104S QRD148J-104S QRD148J-105S QRD148J-155S QRD148J-155S QRD148J-155S QRD148J-151S | 10K 560 4.7K 4.7K 22K 47 1M 2.2K 47K 750 39K 470K 100K 470K 100K 100K 150 250K | 1/4W 1/4W 1/4W 1/4W 1/4W 1/4W 1/4W 1/4W | CARBON | 3.22 |
| Δ | TEM C001 C0101 C102 C103 C104 C131 C155 C156 C161 C202 C203 C303 C303 C303 C303 C303 C303 | PART NUMBER QC29038-103 QC29038-103 QC721HP-223 QCF21HP-223 QCF21HP-223 QCF21HP-101 QCS21HJ-101 QCS21HJ-101 QCS21HJ-101 QCS21HJ-101 QCS21HJ-151 QCS21HJ-151 QCS21HJ-151 QCS21HJ-151 QCS21HJ-151 QCS21HJ-181 QCS21HJ-181 QCS21HJ-181 QCS21HJ-181 QCS21HJ-181 QCS21HJ-181 QCS21HJ-181 QCS21HJ-181 QCS21HJ-181 QCS21HJ-181 QCS21HJ-181 QCS21HJ-181 QCS21HJ-181 QCS21HJ-181 QCS21HJ-101 QCS21HJ-101 QCS21HJ-101 QCS21HJ-101 QCS21HJ-101 QCS21HJ-101 QCS21HJ-101 QCS21HJ-101 QCS21HJ-101 QCS21HJ-101 QCS21HJ-101 QCS21HJ-101 QCS21HJ-101 QCS21HJ-101 QCS21HJ-101 QCS21HJ-101 | O.01MF 12 O.022MF 50 O.022MF 50 O.022MF 50 O.022MF 50 O.01MF 50 100PF 50 100PF 50 100PF 50 150PF | ST P T I O N ST CERAMIC CERAMIC CERAMIC CERAMIC CERAMIC CERAMIC CERAMIC CERAMIC CERAMIC CERAMIC COV CERAMIC CERAMIC COV CERAMIC CERAMIC COV | AREA | | R177 R201 R202 R203 R204 R211 R213 R214 R301 R302 R303 R304 R305 R307 R307 R311 R311 R312 R311 R312 R312 R312 R312 | QRD148J-103S QRD148J-561S QRD148J-472S QRD148J-223S QRD148J-223S QRD148J-223S QRD148J-470S QRD148J-105S QRD148J-105S QRD148J-222S QRD148J-222S QRD148J-222S QRD148J-751S QRD148J-751S QRD148J-751S QRD148J-751S QRD148J-751S QRD148J-751S QRD148J-751S QRD148J-751S QRD148J-751S QRD148J-751S QRD148J-751S QRD148J-104S QRD148J-104S QRD148J-104S QRD148J-104S QRD148J-105S QRD148J-155S QRD148J-155S QRD148J-155S QRD148J-151S | 10K 560 4.7K 4.7K 22K 47 1M 2.2K 47K 750 39K 470K 100K 470K 100K 100K 150 250K | 1/4W 1/4W 1/4W 1/4W 1/4W 1/4W 1/4W 1/4W | CARBON | 3. |

OTHERS DESCRIPTION AREA PART NUMBER Δ ITEM CIRCUIT BOARD AC SOCKET AC SOCKET PIN JACK ASSY PIN JACK ASSY PIN JACK ASSY PIN JACK ASSY SOCKET WIRE PUSH SWITCH PUSH SWITCH PUSH SWITCH PUSH SWITCH PUSH SWITCH PUSH SWITCH PUSH SWITCH PUSH SWITCH PUSH SWITCH PUSH SWITCH PUSH SWITCH PUSH SWITCH PUSH SWITCH PUSH SWITCH PUSH SWITCH RESONATOR E11213-002 QMC0637-004 Δ 1001 Α QMC0638-001 EMNQOTV-405A J001 J101 J102 EMNOOTV-602A J103 EMNOOTV-402A J104 EMNOOTP-404A J105 QMS3533-001 J111 EMV7112-007 J111 S101 \$101 EMV/112-007 \$101 ESP0001-007 \$102 ESP0001-007 \$103 ESP0001-007 \$104 ESP0001-007 \$105 Q\$T2101-E09 \$106 Q\$T2101-E08 CF161 ECX0000-400K\$ RESONATOR TERMINAL TERMINAL RT001 E67764-302 RT002 E67764-302 A : SAFETY PARTS

END-026 A Fuse P.C.Board Ass'y



(for U.S.Military Market only)

FUSE CLIP CIRCUIT BOARD TERMINAL

DESCRIPTION AREA

A : SAFETY PARTS

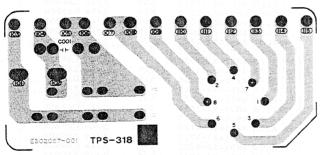
<u>OTHERS</u>

PART NUMBER

EMG7331-001 E303818-001 E67764-202

AITEM

TPS-318 B Voltage Selector P.C.Board Ass'y



(for U.S.Military Market only)

CAPACITORS

| Δ | ITEM | PART NUMBER | DESCRIPTION | AREA |
|---|------|--------------|----------------------|------|
| Δ | C001 | QFH53BM-103M | 0.01 μF 250V M.Mylar | |
| | | | | |

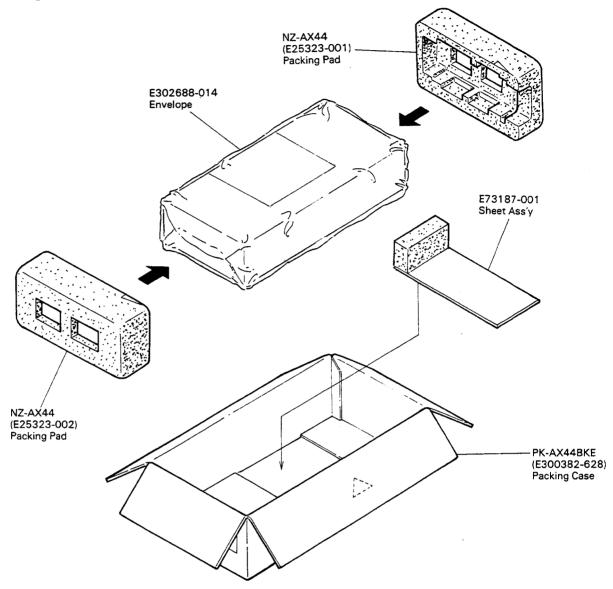
∆: Safety Parts

OTHERS

| Δ | ITEM | PART NUMBER | DESCRIPTION | AREA |
|---|------|--------------|------------------|------|
| Δ | | QSR0085-006U | VOLTAGE SELECTOR | |
| 1 | | QMC0637-004 | 3P AC OUTLET | |
| | | E433727-001 | TAB | |
| 1 | | E65508-001 | TAB | |
| | | E302057-001 | CIRCUIT BOARD | |

∆: Safety Parts

Packing Materials and Part Numbers



Accessories List

| E30580-1286A Instruction Book 1 | Areas | Area | Description | Q'ty | Part Name | Part Number | ⚠ |
|--|-------|----------|-------------|------|--------------------------|--------------|---|
| BT20048B Warranty Card 1 Except C BT20025H Warranty Card 1 C BT20046B Service Information 1 Except C BT20071A Service Center 1 C BT20044E Safety Instruction Sheet 1 J | | | | 1 | Instruction Book | E30580-1286A | |
| BT20025H Warranty Card 1 C BT20046B Service Information 1 Except C BT20071A Service Center 1 C BT20044E Safety Instruction Sheet 1 J | | Except C | | 1 | Warranty Card | | |
| BT20046B Service Information 1 Except C BT20071A Service Center 1 C BT20044E Safety Instruction Sheet 1 J | | C | | 1 1 | · · | | |
| BT20071A Service Center 1 C BT20044E Safety Instruction Sheet 1 J | | Except C | | 1 1 | 1 | | |
| | | С | | 1 | Service Center | 1 | |
| | | J | | 1 | Safety Instruction Sheet | BT20044F | |
| F66416-003 Envelope | | j | | 1 | Envelope | E66416-003 | |
| E41202-2 Envelope 1 | | | | 1 | l ' | | |

The Marks for Designated Area

J U.S.A

C Canada

P, PG U.S. Military Market

 $\boldsymbol{\Delta}$: Safety Parts